

SPIVA LIBRARY

GEORGE A. SP  
LIBRARY



MISSOURI SOUTHERN  
STATE UNIVERSITY

UNDERGRADUATE  
**CATALOG**

2018 - 2019



# Contact Information

Missouri Southern State University • 3950 E. Newman Road • Joplin, Missouri 64801-1595  
417.625.9300 • 1.866.818.MSSU • [www.mssu.edu](http://www.mssu.edu)

Academic Affairs	625-9394	International Student Office	625-9372
ACTS - Advising, Counseling & Testing Services	625-9324	KGCS-TV	625-9375
Admissions Office	625-9378	KXMS-88.7	625-9356
Alumni Affairs	625-9355	Library	625-9386
Assessment/Institutional Research Center	625-9349	Missouri Southern Foundation	625-9396
Athletics - Baseball, Basketball, Cross Country (M),		News/Publications	625-9399
Football, Golf, Track & Field (M)	625-9317	Physical Plant	625-9331
Athletics - Cross country (W), Soccer, Softball, Tennis,		President's Office	625-9501
Track & Field (W)	625-9316 or (877-946-6772)	Project Stay	625-9830
Beimdiek Recreation Center	659-5455	Purchasing	625-9329
Blackboard Help Desk	625-9885	Registrar	625-9389
Bookstore	625-9380	Residence Halls	
Book Rental	625-9306	Blaine Hall	659-4107
Bursar's Office (Cashier)	625-9381	East Hall	659-4378
Business Affairs	625-9728	McCormick Hall	659-4190
Cafeteria	625-9825	Student Life Center	659-4461
Campus Card Services Center	659-5463	Residence Life	625-9522
Career Services	625-9343	Pregnancy Accommodations	625-9532
Catalog & Bulletins	625-9378	Public Safety	626-2222
Child Development Center	625-9360		
Continuing Education	625-9785	School of	
Credit Evaluations/Transcripts	625-9389	Arts & Sciences	625-9385
Dental Hygiene Clinic	625-9709	Business Administration	625-9319
Distance Learning	877-837-8527	Education	625-9314
Dual Credit	625-9785	Health Sciences, Public Safety, & Technology	625-9328
Faculty Appointments	625-9394	Small Business & Technology Development Center	625-3128
Financial Aid and Scholarships	625-9325	Southern Welcome Orientation	625-9731
First-Year Experience Program	625-9731	Sports Information	625-9359
Gifts & Annuities	625-9396	Student Activities	625-9346
Graduate Office (MSSU)		Student Affairs	625-9392
Business	625-9319	Student Disability Services	659-3725
Education	625-9314	Student Employment	625-9398
Technology	625-9328	Student Organizations	625-9669
Graduate Office (UMKC)	625-3133	Student Success Center	659-3725
Health Center	625-9323	Swimming & Racquetball	625-9390
Honors Program	625-3005	Testing (ACTS)	625-9595
Housing	625-9522	Theatre Box Office	625-3190
International Admissions	625-3126	Ticket Office (BSC)	625-9366
Institute of International Studies	659-4442	Title IX Reports	625-9532
International Student Exchange Program	625-9736	University Relations & Marketing	625-9399
		Veterans Services	625-3159

# General Information

## From the President

The Missouri Southern State University Statement of Values focuses on a complete commitment to the "academic, personal and career success" of students. We take this charge very seriously and work daily to create the very best university experience possible for our terrific student body.

As a student at Missouri Southern you will find yourself surrounded by talented and energetic professors who are dedicated to guiding students toward the success they desire. You will find this highly gifted group of professionals to be totally committed to providing the very best learning environment possible. The outstanding academic programs they provide are designed to prepare you to compete in a global society and we have every confidence that you will be perfectly prepared to meet the many challenges of a changing world when you complete your program of study.

In addition to outstanding academic programs, we also provide a number of student support services to assist you on your higher education journey. These include assistance provided by the dedicated staff of the Financial Aid Office, Career Services Office, and the Advising, Counseling and Testing Services. You should always feel welcome to ask questions of these individuals because they are truly committed to helping you succeed.

The campus also hosts numerous student groups that sponsor a myriad of activities throughout the year. The student body is represented by a very active Student Senate that participates in a variety of campus affairs. Students preferring to live on campus enjoy a lively and engaging residence hall community that provides convenient dining facilities and recreational activities. Additionally, the Beimdiek Recreation Center is available to all students and is one of the most attractive and well-equipped recreation facilities in the area. We also have thriving athletic programs, and you can enjoy the fun and excitement of cheering the Lions on to victory in a number of sports.

An emphasis on understanding and appreciating other cultures, international issues, and global perspectives, all combine to support the very important international element of the Missouri Southern mission. This focus on learning to live and succeed in a global community creates a rich sense of diversity on campus and in the surrounding community. As a student here you will have regular opportunities for international studies abroad and many students throughout the years have gained enormous benefits from participating in these travel-to-learn experiences.

We believe that the programs offered at Missouri Southern do a fantastic job of preparing students for the "academic, personal and career success" identified in our Statement of Values. We invite you to join us on this exciting journey.

If you have questions, please call the Admissions Office at 417-625-9378 or 866-818-6778.

**Alan D. Marble, Ph.D.**  
**President**

# Dear Student,

If you're entering the university for the first time or even coming back after several years' absence, you'll need information in this catalog. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs into your university experience.

This catalog and our helpful staff can answer your questions, but here are answers to questions students frequently ask:

**1. Can I get financial help with university costs?**

Yes, a full range of financial aid programs are available to qualified students. Becca Diskin, Director of Student Financial Aid and her staff can provide you with information and applications in Hearnes Hall, 417-625-9325, [finaid@mssu.edu](mailto:finaid@mssu.edu). (Financial Aid)

**2. I haven't decided on a major yet. What do I do?**

Southern has trained academic advisors to help you discover what your best interests and attributes might be. Visit with Faustina Abrahams, Director of Advising, Counseling and Testing Services (ACTS), Hearnes Hall, 417-625-9324, [acts@mssu.edu](mailto:acts@mssu.edu). (ACTS)

**3. I'm concerned about the transition from high school to college. Is there someone to help?**

Yes, the Advising, Counseling and Testing Services (ACTS) department can help here too, as well as the instructor and course assistant in your University Experience UE 100 class. Visit with Faustina Abrahams, First-Year Advising Coordinator, Hearnes Hall room 314, 417-625-9521, [abrahams-f@mssu.edu](mailto:abrahams-f@mssu.edu). or Teresa Thompson, Director, First-Year Experience Program, Hearnes Hall Room 315, 417-625-9731, [thompson-t@mssu.edu](mailto:thompson-t@mssu.edu). (ACTS and/or First Year Experience Program)

**4. Do you have an Honors Program?**

Southern has an excellent and challenging Honors Program, which includes opportunities for international travel. Talk to Michael Howarth, Director of Honors Program, Taylor Hall 206, 417-625-3005, [howarth-m@mssu.edu](mailto:howarth-m@mssu.edu). (Honors Programs)

**5. What activities and organizations are available?**

A host of special events, student activities and departmental organizations are available throughout the year. Drop by the Student Activities Office, Billingsly Student Center, 210. Or contact Craig Gullett at 417-625-9346 or [gullett-c@mssu.edu](mailto:gullett-c@mssu.edu) (Student Activities. See also individual departments.)

**Additional information is available at the Southern website:**

[www.mssu.edu](http://www.mssu.edu)

# Our Mission

## MISSOURI SOUTHERN STATE UNIVERSITY

### VISION

Missouri Southern State University will be a leader in offering relevant undergraduate and graduate programs that fulfill the educational needs of each student. To attain our vision, we will:

Be the University of Choice for Students, Faculty and Staff

Create Transformative Experiences through Innovative Programs

Promote our Culture of Excellence

Engage in High-quality Scholarly Activities

Grow and Thrive

### MISSION

Missouri Southern State University will educate and graduate knowledgeable, responsible, successful global citizens.



### VALUES

We believe in:

Service

Integrity

Respect

Transparency

Global Perspectives

Community

Responsibility and Accountability

Diversity and Inclusion

Broad-based Learning

#### GOAL #1: ATTAINMENT

Strategically grow enrollment and increase student attainment through graduation

#### GOAL #2: AFFORDABILITY

Provide infrastructure, services and programs to meet workforce demand in a high-quality and affordable manner

#### GOAL #3: QUALITY

Continue to develop multiple pathways for student attainment of valuable and relevant credentials

#### GOAL #4: RESEARCH & INNOVATION

Strengthen research and engage in high-quality scholarly activities

#### GOAL #5: INVESTMENT, ADVOCACY & PARTNERSHIPS

Increase the university's regional, national and global impact by partnering with and serving as a resource for industry and communities

# International Education

The State of Missouri has designated Missouri Southern State University, through special legislation, as "a statewide institution of international or global education." The university is charged with developing "such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."

This "international mission," as it is commonly known, enables students to participate in a breadth of international experiences that will prepare them to succeed in an ever-changing global economy.

MSSU provides a variety of short-term and semester-long study abroad programs, including an international student teaching experience for teacher education majors. In order to make its study abroad programs more accessible and affordable, MSSU awards qualifying students \$1,000 grants for faculty-led short-term trips and \$1,250 grants for students spending an entire semester or year abroad.

Each fall, MSSU selects a particular country or region of the world to become the focus of intensive study. The "themed semesters" bring the world to the university and the community, and allow every student to have a global experience without leaving the campus. Lectures, concerts, plays, films, readings, art exhibits, and other cultural activities from the featured country permeate the fall semester and result in the students becoming true global citizens.

Robust modern language offerings, including courses and degree programs in Spanish, French, Japanese, and Chinese, give students the opportunity to increase their cultural competency and become more marketable in a competitive workplace. Becoming proficient in more than one language will open many doors for MSSU graduates and expand their worldview.

Majors in International Studies and International Business and other related areas provide a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism, the military, research, public health, human service organizations, and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The majors are also a good foundation for graduate study in such diverse areas as international law, business, history, political science, and anthropology, as well as international relations, intercultural communication, peace studies, and other interdisciplinary programs.

The International English Program (IEP) provides English as a Second Language (ESL) instruction to international and resident students whose first language is not English. This supports MSSU's mission of a strong commitment to international education by enabling more international students to attend the university. In turn, these students bring different perspectives and values to their American peers, and lifelong friendships often develop.

# Student's Guide to the Baccalaureate Degree

*Non Scholae Sed Vitae Discimus "Education not for a living, but for life."*

We, the faculty at Missouri Southern, believe that you achieve a complete education through an interrelated program of study which includes the General Education/Core 42 curriculum and your major, as well as the extra-curricular opportunities that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century marketplace. Specifically, we are committed to assist you as an undergraduate to:

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.
- Sharpen your awareness and appreciation of cultures around the world with their differing values, traditions and institutions.
- Develop lasting intellectual and cultural interests.
- Recognize and appreciate the importance of creativity and imagination in the human experience.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.
- Recognize and examine the formation of personal ethical values in a diverse society.

## General Education/Core 42 Curriculum

The General Education/Core 42 curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the General Education is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? While the question has generated much debate and there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the General Education/Core 42 curriculum that seeks to equip you with the intellectual skills and the breadth of knowledge that characterize well-educated and socially responsible individuals.

## Goals of the General Education/Core 42 Curriculum

In compliance with the Missouri Department of Higher Education (MDHE) and statewide policy, Missouri Southern State University provides a block of general education/Core 42 courses that meet the state-level curricular goals. There are four basic competencies (Valuing, Managing Information, Communicating, and Higher-Order Thinking) as well as four knowledge areas (Social and Behavioral Sciences, Communications, Humanities and Fine Arts, Mathematics, and Life and Physical Sciences).

## Basic Competencies

**Communicating:** Communicating is the development of students' ability to communicate effectively through oral, written, and digital channels using the English language, quantitative, and other symbolic Updated April 27, 2018 4 systems. Students should be able to write and speak with thoughtfulness, clarity, coherence, and persuasiveness; read and listen critically; and select channels appropriate to the audience and message. Written communication is the development and expression of ideas in writing. Written communication involves learning to work in many genres and styles. It can involve working with many different writing technologies, and mixing texts, data, and images. Written communication abilities develop through iterative experiences across the curriculum. Oral communication is a prepared, purposeful presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners'



attitudes, values, beliefs, or behaviors. Oral communication takes many forms.

**Higher-Order Thinking:** Higher Order Thinking is the development of students' ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; to solve problems by applying evaluative standards; and demonstrate the ability to reflect upon and refine those problem-solving skills. This involves creative thinking, critical thinking, and quantitative literacy. Creative thinking is both the capacity to combine or synthesize existing ideas, images, or expertise in original ways and the experience of thinking, reacting, and working in an imaginative way characterized by a high degree of innovation, divergent thinking, and risk taking. Creative thinking, as it is fostered within higher education, must be distinguished from less focused types of creativity such as, for example, the creativity exhibited by a small child's drawing, which stems not from an understanding of connections, but from an ignorance of boundaries. While demonstrating solid knowledge of the domain's parameters, the creative thinker, at the highest levels of performance, pushes beyond those boundaries in new, unique, or atypical recombinations, uncovering or critically perceiving new syntheses and using or recognizing creative risk-taking to achieve a solution. Critical thinking is a habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion. Critical thinking is transdisciplinary, and success in all disciplines requires habits of inquiry and analysis that share common attributes. Successful critical thinkers from all disciplines increasingly need to be able to apply those habits in various and changing situations encountered in all walks of life. Quantitative Literacy (QL) is a "habit of mind," competency, and comfort in working with numerical data. Individuals with strong QL skills possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They understand and can create sophisticated arguments supported by quantitative evidence and they can clearly communicate those arguments in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate).

**Valuing:** Valuing is the ability to understand the moral and ethical values of a diverse society, and to understand that many courses of action are guided by value judgments about the way things ought to be. Students should recognize how values develop, how value judgments influence actions, and how informed decision-making can be improved through the consideration of personal values as well as the values of others. They should be able to make informed decisions

through the identification of personal values and the values of others and through an understanding how such values develop. They should be able to analyze the ethical implications of choices made on the basis of these values.

**Managing Information:** Managing Information is ability to locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions. Through the effective management of information, students should be able to design, evaluate, and implement a strategy to answer an open-ended question or achieve a desired goal.

## Knowledge Areas

**Social and Behavioral Sciences State-Level Goal:** To develop students' understanding of themselves and the world around them through study of content and the processes used by historians and social and behavioral scientists to discover, describe, explain, and predict human behavior and social systems. Students acquire an understanding of the diversities and complexities of the cultural and social world, past and present, and come to an informed sense of self and others. As a part of this goal, institutions of higher education include a course of instruction in the Constitution of the United States and of the state of Missouri and in American history and institutions (Missouri Revised Statute 170.011.1).

**Written Communications State-Level Goal:** To prepare students to communicate effectively with writing that exhibits solid construction resulting from satisfactory planning, discourse, and review. Students will understand the importance of proficient writing for success in the classroom and the workforce.

**Oral Communications State-Level Goal:** To prepare students to communicate effectively with oral presentations that demonstrate appropriate planning and expressive skills. Students will understand the role of public speaking for success in the classroom and society

**Humanities and Fine Arts:** Well-educated people develop an understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts. They deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic and historical circumstances and by learning to appreciate the world of the creative imagination as a form of knowledge.



**Natural Sciences State-Level Goal:** To develop students' understanding of the principles and laboratory procedures of the natural sciences (Life and Physical) and to cultivate their abilities to apply the empirical methods of scientific inquiry. Students should understand how scientific discovery changes theoretical views of the world, informs our imaginations, and shapes human history. Students should also understand that science is shaped by historical and social contexts.

**Mathematics State-Level Goal:** To develop students' understanding of fundamental mathematical concepts and their applications. Students should develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

**Humanities and Fine Arts State-Level Goal:** To develop students' understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts; to deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic, and historical circumstances; and to appreciate the world of the creative imagination as a form of knowledge

In addition to the statewide general education/Core 42 goals, Missouri Southern has two Institutional Goals (International Cultural Studies and Health and Wellness.)

**International Cultural Studies:** Well-educated people develop an understanding of how cultures and societies around the world are formed, sustained and evolve. Students should understand world affairs, international issues and cultures other than their own as seen through the history, geography, language, literature, philosophy, economics or politics of the cultures. Students will acquire empathy for the values and perspectives of cultures other than their own and an awareness of the international and multicultural influences in their own lives.

**Health and Wellness:** Well-educated people develop the knowledge and self-management skills that will assist them in adopting healthy lifestyles. This encompasses all areas of wellness: physical, emotional, spiritual, social, intellectual and financial. Students will understand the relationship between lifestyle management, quality of life and societal health and productivity.

Thanks to technological resources and the commitment of our faculty, students have the opportunity to complete many of the General Education courses in modes that suit their individual schedules and needs. While Missouri Southern offers all of the

General Education courses in traditional classroom settings, students who possess the skills and responsibility required for success in General Education courses offered in non-traditional modes, such as on-line and hybrid courses, will be able to do so.

## Your Major

The University offers more than 100 majors in a wide variety of fields. Pursuing of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the General Education curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.

## Special Features of Missouri Southern

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our university.

**Emphasis on Teaching:** The heart of Missouri Southern is that of an undergraduate university where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

**Emphasis on International:** The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of their country. That is why Missouri Southern has chosen to emphasize a global perspective throughout our entire curriculum and wherever possible to add an international dimension to our courses.

**Enrichment Programs:** Your comprehensive education is enriched through a variety of special programs including the Honors Program, internships and independent study opportunities, involvement with the student media and "themed" semesters that focus on a country, continent or section of the world. Study abroad opportunities include the Summer in Sweden art program; language immersion programs in France, Germany, Mexico and Spain; and semester-long exchange programs throughout the world. Short-term study abroad experiences, including comparative trips and on-site classes, introduce students to aspects of another country's culture in order to expand their views beyond their global perspective.

**Total Collegiate Experience:** A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, numerous services are available for the student to meet educational and personal needs.

**Assessment of Outcomes:** Missouri Southern continually assesses the effectiveness of its programs, including the

General Education/Core 42 curriculum and all majors. The assessment information is used to revise and to improve our programs, as well as keep the curriculum dynamic and relevant.

**Diverse Student Body:** Students at Southern represent a wide variety of ages and places of origin. The sizable enrollment of nontraditional students (those over 25) and international students is a great advantage. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

**Flexible Class Scheduling:** Day and evening classes, hybrid classes and delayed start classes are available to provide flexible scheduling. Distance Learning provides a variety of forms of access to education to meet the needs of today's students. Missouri Southern also offers a broad selection of online programs and courses, providing diverse access to education to meet the needs of today's students.

Our faculty and staff are always willing to help you to make the most of your college experience. Don't hesitate to ask. We're here for you!

## Assessment of Outcomes

### Goals of Assessment of Outcomes

Assessment is an ongoing, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing results, redefining goals and improving programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of outcomes assessment at Missouri Southern are:

1. Evaluation of institutional effectiveness by research and assessment of:
  1. General Education/Core 42 programs and school departments
  2. Academic and developmental student outcomes
  2. Improvement of both academic and student affairs programs:
    1. To increase student academic and developmental outcomes
    2. To increase student retention and degree completion

3. Provision of data needed for assessment, program review and strategic planning to fulfill the university mission
4. Fulfillment of governmental mandates

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes so they can be successful and responsible citizens of a diverse world. In order to accomplish that goal, ongoing assessment is conducted not only by professors in classes offered each semester, but also by faculty and administration in program evaluation processes. The Assessment Committee, chaired by a faculty member, meets regularly with departments to review their assessment plans and findings. The Assessment Committee collaborates with the Academic Program Review Committee, the General Education Committee, and the Student Affairs Assessment Committee to ensure that student learning and operational effectiveness are continually measured, evaluated in a manner that promotes use of data for continuous quality improvement. Assessment reports are housed in WEAVE, the university's software that serves both as a repository and reporting tool. Dissemination of

assessment findings is managed through the Office of Institutional Effectiveness.

## **Program for Assessment of Outcomes**

Importance of assessment for college accountability is underscored by a Board of Governors policy requiring that students participate in assessment activities when requested. Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio reviews, student interviews and performances is used to develop both quantitative and qualitative data needed for the analysis phase

of our assessment plan. General education, academic program, and co-curricular outcomes are assessed on a regular basis by respective units in academic and student affairs. Process, rubrics, and sample findings are available on the University website for Institutional Effectiveness at <https://www.mssu.edu/academics/institutional-effectiveness/processandproduct.php>.

For additional information on assessment of outcomes visit the Institutional Effectiveness website at: [mssu.edu/academics/institutional-effectiveness/](https://www.mssu.edu/academics/institutional-effectiveness/).



# Tuition and Incidental Charges Policies

*Please visit our homepage at [www.mssu.edu](http://www.mssu.edu) for our online Schedule of Classes that contains the most up-to-date listing of tuition and incidental costs.*

**The University reserves the right to change tuition and incidental costs without notice.**

## 1. Undergraduate Tuition and Incidental Costs

For all students who have registered for fall, spring or summer semesters, 100% of the semester charges must be paid by the published due date for each respective semester. Due dates can be found on the Bursar's Office website and in the Schedule of Classes for the respective semester. Failure to remit the balance due may result in an immediate cancellation of the student's class schedule.

Paper bills are mailed to students. However, for your up-to-date account balance, please view your account in LioNet. Students are responsible for any outstanding balance and are required to remit payment by the published due date.

It is extremely important to realize that a financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, charges will be assessed in full. No reduction in charges according to the University refund policy will be credited to the students account until an official withdrawal is completed. Students dropped for non-payment are not relieved of their financial obligation. An official withdrawal is required.

The University has payment plans available as soon as enrollment begins each semester. For more information regarding payment plans, and what payment plan options are available, visit the Bursar's Office website or contact the Bursar's Office.

Students expecting their student account balance to be paid through financial aid sources must have all necessary documentation filed with the Financial Aid Office by April 1st for the Fall term and by November 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening and Internet classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same charges, rules, and regulations as set forth for students attending day classes.

Appeals concerning special problems pertaining to charges should be directed in writing to the Bursar in Hearnest Hall.

## 2. Residence Hall

As stated in the contract agreement, students will be responsible for the full semester bill at the time that all other student account charges are due. The security deposit will be refunded only if the terms of the contract have been fulfilled.

## Explanation of Charges

**Admission Application** - a non-refundable administrative charge required upon submission of an application for admission.

**Change of Class Schedule** - an administrative cost charged for each class change (add or withdrawal) made after the first week of the semester.

**Commencement Regalia** - charged to students who are participating in commencement, non-refundable.

**Graduation Application** - billed upon receipt of graduation application, non-refundable.

**Late Registration/Reinstatement** - an administrative charge assessed to students who enroll for classes after the first full week of the semester or seek reinstatement for class schedules cancelled for non-payment.

**Special Course Charges** - charges for additional course materials and/or services for specific courses. Courses include, but are not limited to: art, music, education, dental hygiene, nursing, radiology and photography.

**Textbook Rental** - a per credit hour charge assessed for the use of rental textbooks. The University operates a rental system through the University Bookstore which allows the use of the required textbook by the student for one semester. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. Textbooks must be returned no later than 4 P.M., Monday following the week of finals. A book drop is located in the wall behind Billingsly Student Center for after-hours and weekend drop off. Textbooks not returned by this time will be charged to the student's account at the retail price. This charge may be reduced to a late charge equal to the current rental charge when returned through the published late book return date. Visit [www.mssu.edu/bookstore](http://www.mssu.edu/bookstore) for more information.

# Refund Policy

(Except for Residence Hall Charges)

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from the University, the refund policy for full-term classes is as follows:

## For Fall and Spring Semesters

Prior to the end of the first two weeks of classes 100% refund

Third and fourth week 50% refund

After Wednesday of the fourth week 0% refund

## For Summer Semester

Prior to the end of the first week of classes 100% refund

After first week 0% refund

Withdrawal from classes during the 50% refund period means that the student will be responsible for 50% of the cost of tuition and incidental charges. Withdrawal from some classes after the fourth week, the student will be responsible for 100% of the cost of tuition and charges.

**NOTE:** Dates may vary for Off-Schedule classes. Withdrawal and refund information listed only pertains to full-term classes. Students must contact the Office of the Registrar for information on off-schedule courses.

To be eligible for a refund, the student must formally complete a Single Course Withdrawal form and submit it to the Office of the Registrar within the refund period. If the student is withdrawing from the University completely, he or she must complete a Total Withdrawal form with the University Financial Aid Exit Counselor within the published deadline dates. Refer to [www.mssu.edu/student-affairs/registrar](http://www.mssu.edu/student-affairs/registrar) to view the off-schedule chart.

**Failure to attend classes will not constitute a withdrawal.**

**NOTE:** If the student withdraws after payment of any or all charges for the semester, any monies due to the student will be mailed after refund costs have been applied. However, if the University costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Please see the repayment notice of Title IV aid paragraph below for further explanation. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Bursar. This appeal must be made during the term for which the refund applies.

## Repayment Notice for Federal Financial Aid

Students who withdraw prior to the 60% completion of the semester will be subject to repayment of part or all of their aid, as determined by federal regulations. This includes official and unofficial withdrawals stemming from student's last date of attendance prior to the 60% of semester earned.

Students will be notified in writing of any amount due as a result of withdrawal. A hold will be placed on the student's account until repayment is made in full.

Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

1. Referral to the federal government for collection.
2. Ineligibility for federal financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

For policies concerning refunds for Residence Hall charges, please refer to the Residence Life contract.

# Academic Calendar

## 2018 Fall Semester

August 16

August 17

**August 20**

August 27

August 31

September 3

September 12

October 15-16

November 2

November 21-23

December 3

December 7

December 10-13

December 13

**December 15**

Class Registration

Faculty Study Conference & Class Registration

**CLASSES BEGIN**

Drop/Add & Late Registration Charges Begin

Last Day for Full Refund of Fees

Dismissal for Labor Day

Withdrawal after this Date No Refund of Fees

Fall Break

Last Day to Withdraw from a Class with a "W"

Dismissal for Thanksgiving Holiday

Last Day for Complete Withdrawal with all "W's"

Last Day of Classes

Final Examinations

End of Semester

**Commencement**

## 2019 Spring Semester

January 10

January 12

**January 14**

January 21

January 22

January 23

February 6

March 18-22

April 5

April 29

May 3

May 6-9

May 9

**May 11**

Class Registration

Faculty Study Conference & Class Registration

**CLASSES BEGIN**

Martin Luther King Jr. Day Holiday

Drop/Add Fees & Late Registration Fees Begin

Last Day for Full Refund of Fees

Withdrawal after this Date - No Refund of Fees

Spring Break

Last Day to Withdraw from a Class with a "W"

Last Day for Complete Withdrawal with all "W's"

Last Day of Classes

Final Examinations

End of Semester

**Commencement**

## 2019 Summer Semester

**May 20**

May 27

**June 3**

June 6

July 1

July 4

July 11

July 22

July 22-25

July 25

**Ten and Six Week Sessions Begin**

Memorial Day Holiday

**First Four Week and Eight Week Session Begins**

Last Day for Full Refund of Fees \*

Second Four Week Session Begins

Dismissal for Fourth of July Holiday

Last Day to Withdraw from a Class with a "W" \*

Last Day for Complete Withdrawal with all "W's" \*

Final Exams\*

End of Semester

\* Based on 8 week session running from June 3 to July 25



## 2019 Fall Semester

August 15  
August 16  
**August 19**  
August 26  
August 30  
September 2  
September 11  
October 14-15  
November 1  
November 27-29  
December 2  
December 6  
December 9-12  
December 12  
**December 14**

Class Registration  
Faculty Study Conference & Class Registration  
**CLASSES BEGIN**  
Drop/Add Fees & Late Registration Fees Begin  
Last Day for Full Refund of Fees  
Dismissal for Labor Day  
Withdrawal after this Date No Refund of Fees  
Fall Break  
Last Day to Withdraw from a Class with a "W"  
Dismissal for Thanksgiving Holiday  
Last Day for Complete Withdrawal with all "W's"  
Last Day of Classes  
Final Examinations  
End of Semester  
**Commencement**

## 2020 Spring Semester

January 9  
January 10  
**January 13**  
January 20  
January 21  
January 26  
February 5  
March 16-20  
April 3  
April 27  
May 1  
May 4-7  
May 7  
**May 9**

Class Registration  
Class Registration & Faculty Study Conference  
**CLASSES BEGIN**  
Martin Luther King Jr. Day Holiday  
Drop/Add & Late Registration Charges Begin  
Last Day for Full Refund of Fees  
Withdrawal after this Date - No Refund of Fees  
Spring Break  
Last Day to Withdraw from a Class with a "W"  
Last Day for Complete Withdrawal with all "W's"  
Last Day of Classes  
Final Examinations  
End of Semester  
**Commencement**

## 2020 Summer Semester

**May 18**  
May 25  
**June 1**  
June 4  
June 29  
July 2  
July 20-23  
July 23

**Ten and Six Week Sessions Begin**  
Memorial Day Holiday  
Eight Week and First Four Week Sessions Begin  
**Last Day for Full Refund of Fees \***  
Second Four Week Session Begins  
Dismissal for Fourth of July Holiday  
Final Exams\*  
End of Semester  
\* Based on 8 week session running from June 1 to July 23

# Academic Information

The policies and statements contained in the Student Information and Academic Information sections were written for the undergraduate students at Missouri Southern State University and as such may not apply to our graduate students. Please check with the coordinator of the specific graduate program for more information.

## Academic Affairs

Dr. Paula Phillips Carson  
Vice President for Academic Affairs and Provost  
mssu.edu/offices/academic-affairs  
Hearnes Hall 208 • 417-625-9394

The Office of the Vice President for Academic Affairs and Provost is responsible for the administration of the instructional programs both on and off campus. The Honors Program, Writing Program, Assessment and Institutional Research Office, Spiva Library, Academic Outreach, Distance Learning, Show-Me Gold and all academic units are under its direction.

## Academic Standards

### Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as listed below. Those falling below these standards will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria listed below.

Those students competing in intercollegiate athletics (NCAA) or in organizations representing the University off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic semester in order to maintain future eligibility in these programs.

### Standards of Progress Toward Graduation\*

A student's cumulative Grade Point Average (GPA) is used to evaluate progress. If the GPA falls below the minimum standards of progress, the work is considered unsatisfactory. Courses not applicable to the baccalaureate degree are not calculated in the GPA hours. Applicable for degree-seeking students only. IEP students should refer to the IEP section of the catalog.

Progress toward a degree is computed on the following GPAs:

\*For the Associate and Baccalaureate Degrees

GPA Hours		GPA
1-22	semester hours	1.5
23-44	semester hours	1.6
45-66	semester hours	1.7
67-88	semester hours	1.8
89-110	semester hours	1.9
111 & Above		2.0

### Academic Probation, Suspension and Appeal

Each student should consider a GPA of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the GPA is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the University.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs, if the student cannot present evidence that indicates a high probability of academic success.

Students placed on academic suspension may file an appeal application through the Office of the Registrar by 5:00 P.M. on the Monday before the term begins.

### Academic Bankruptcy

A student may petition the Academic Bankruptcy Committee to request one semester of academic work taken at MSSU be disregarded in computing the academic record. To be eligible for petitioning, a student must be in good standing, including financial, and must document the unusual conditions which justify the petition. The petition is initiated in the Office of the Registrar.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's GPA. Academic Bankruptcy cannot be applied to transfer courses. Once a degree is earned, a student is no longer eligible for bankruptcy.

Academic Bankruptcy is not permitted in the International English Program (IEP), the IEP student should refer to the IEP policies .

## **Repetition of Courses**

Students may only receive credit value for a repeated course once. Students may repeat courses in which grades 'F, D, C or B ' have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used when computing GPAs. Transfer courses may be repeated if Missouri Southern offers the same course. Once a degree is earned, a student is no longer eligible to exclude the grade of the first course in their GPA.

## **Honor Roll**

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a semester Grade Point Average (GPA) of 3.75 or higher with no incomplete or in progress grade or a grade below 'C.' Courses below the 100 level are excluded from this GPA calculation.

## **Academic Certificates**

Selected departments have developed an academic certificate that strengthens the student's career preparation. Certificates may be earned independently from a degree. Certificate credit and course requirements vary. The overall GPA requirement is 2.0.

## **Graduation Honors**

In recognition of superior scholarships, the University awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the student's permanent record. Courses below the 100 level are excluded from this calculation.

Associate Degree - The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State University. The cumulative GPA required to receive:

First Honors 3.90-4.00

Second Honors 3.80-3.89

Third Honors 3.70-3.79

Baccalaureate Degree - Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude 3.90-4.00

Magna Cum Laude 3.80-3.89

Cum Laude 3.70-3.79

## **Revised Standards for Veterans Educational Benefits**

The Revised Standards for Veterans Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veterans Services Office. Each Veteran should see the Veterans Representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Vice President for Academic Affairs and Provost.

## **Credit Options**



Students may earn a total of 30 credit hours through alternative credit options under this section; Dual Credit, Retro Credit and Pathways to Healthcare Bachelor's Credit excluded.

## Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Affairs and Enrollment Management.

## Resident Credits from Institutions of Equal Standing with Missouri Southern State University

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Vice President for Academic Affairs and Provost is obtained.

## Advanced Standing Examination: CLEP and Departmental Exams

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a Departmental Exam.

**CLEP Credits:** Students who have already completed a CLEP exam should request the College Board to send their score to

MSSU. Students who wish to take the CLEP and receive credit should take note of the information below:

CLEP courses accepted at MSSU are posted at [mssu.edu/student-affairs/registrar/clep.php](http://mssu.edu/student-affairs/registrar/clep.php)

Grade awarded for course will be "CR"

Credit awarded for CLEP exams are included in the 30 hour credit maximum for Alternate Credits

For CLEP examination information, refer to the Student Information -ACTS section of the catalog.

**Departmental Exam** is a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications:

- be enrolled in the University at the time of the examination;
- not have taken an examination over the course within the preceding six months;
- not have credit in a more advanced course in the same field;
- be working toward a degree at Missouri Southern State University;
- have the approval of the chair of the department in which the course is offered;
- not use the examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Vice President for Academic Affairs Office. If performance is equated as a 'C' grade or above, the Registrar will record the credit. The credit granted will be based on applicability and will carry the grade of "CR".

## International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of university study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant university credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Admission Office for a detailed analysis of credits and standing. The credit granted will be based on applicability and will carry the grade of "CR".

## Advanced Placement Test (AP)

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5. The credit granted will be based on applicability and will carry the grade of "CR".

## High School Dual Credit

Missouri Southern will accept credits earned from a regionally accredited college or university while the student was in high school. These credits are subject to regular transfer credit evaluation, and students must submit an official college or university transcript to the MSSU Office of Admission. Dual credits cannot be awarded based on a high school transcript.

## Correspondence Course Credit

Missouri Southern accepts credit earned by correspondence from regionally accredited institutions. No student will be permitted to apply more than 12 hours of course work in correspondence toward his/her degree. The credit granted will be based on applicability and will carry the grade of "CR".

## Course Credit for Military Service and Schooling

Military Service students who have completed basic training may be granted credit for the following courses:

- KINE 103 Lifetime Wellness (2 credit hours)
- KINE 220 First Aid and Sport Safety (2 credit hours)
- KINE 101 Introduction to Physical Activity (Land Navigation/Recreation) (1 credit hour)
- KINE 101 Introduction to Physical Activity (Self-Defense) (1 credit hour)
- KINE 101 Introduction to Physical Activity (Marksmanship) (1 credit hour)

These requirements will be satisfied if the DD214 form and/or JST (Joint Service Transcript) is submitted to the Missouri Southern Admissions Office. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be based on applicability and will carry the grade of "CR". The veteran

must present documentation designating the military course, date and site of the course. Military transcripts can be ordered from the following websites:

Air Force: Community College of the Air Force

All other branches: Joint Service Transcript (JST)

In addition, at the advisor's request we will articulate elective credit up to 20 semester credit hours. The Registrar's Office must have on file the student's official JST (Joint Service Transcript) to enter the approved hours into record. Grades would be recorded as credit.

## Validation Examinations (through departmental exam)

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must:

1. be enrolled at Missouri Southern State University at the time the examination is taken;
2. present the necessary evidence to prove that the course was taken;
3. get approval from the school dean and the chair of the department in which the course is offered; and
4. initiate the proceedings within the first eight weeks after entering the University.

The student initiates the request for examination at the academic department. The school dean and the department chair will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the credit if the scale is 'C' or above and carry the grade of 'CR'.

## Retro Credit Policy

Missouri Southern will award retro-credit for certain qualifying subjects. The credit granted will be based on applicability and will carry the grade of "CR". Students should contact the appropriate academic department to inquire about courses that qualify. Maximum allowable credits vary by department.

## Pathways to Healthcare Bachelor's Degree Credit

Students in the School of Health Science programs are eligible for credit transcription based upon state certification. Credits are typically awarded in the final term of attendance at MSSU. Students must be accepted into the applicable program to be eligible. Students work with the appropriate academic department to determine credit articulation.

## Prior Learning Assessment

A maximum of 15 credit hours may be earned for career and professional experiences that are documented through the portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean. The earned credits will carry a grade of "CR".

For additional information and application process, contact Testing Services at [testingservices@mssu.edu](mailto:testingservices@mssu.edu) or 866-818-6778 or 417-625-9887, Webster Hall 117..

## Time Limit on Degree Credit

Credit over twelve (12) years old at the time of application for graduation may not be applicable to a degree. Such credit may be subject to validation, at the discretion of the school/department involved, before it can be used to satisfy degree requirements.

## Credit for Life/Work Experience

Credit may be earned for career and professional experiences that are documented through the portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean. The application process and initial advisement begins with the advisor for Experiential Credit. For information contact: 877-837-8527.

## Degree Requirements

## Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first completed registration at MSSU provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSU and earned credit during the year of the catalog selected.

Transfer Student: The MSSU catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school and earned credit during the year of the catalog selected.

## Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The university reserves the right to require these students to take developmental courses in mathematics, composition, study skills or intensive English prior to participation in regular college level classes. Courses below the 100 level are not applicable to the baccalaureate degree and are excluded in honors calculations and calculation of the standards of progress toward graduation.

## Course Numbers and Levels

Course  
Numbers:

0 - 99	Not applicable toward the Baccalaureate Degree
100-299	Lower Division
300-499	Upper Division
500-700	Graduate

Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

## Baccalaureate Degree Requirements



1. **Residence:** The following minimum requirements must be met in residence at Missouri Southern: (1) 30 hours completed with MSSU; (2) one-half of the credit both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division credit both required for the major and in the major department.
2. **Credit Hours:** At least 120 semester hours of college credit applicable to a Baccalaureate Degree are required for graduation.
3. **Grade Point Average (GPA):** The following minimum cumulative GPAs are required for all Baccalaureate Degrees, some programs require a higher GPA. The GPA excludes not applicable to Baccalaureate Degree (NABD) courses:
  1. a 2.0 GPA for all credit hours attempted;
  2. a 2.0 GPA for all the courses required for the major, both inside and outside the major department;
  3. a 2.0 GPA for all courses, required and elective, taken in the major department.

The following minimum GPAs are required for the Bachelor of Science in Education (BSE):

  1. a 2.75 GPA for all credit hours attempted;
  2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
  3. a 2.50 GPA for all courses, required and elective, taken in the major department;
  4. a grade of "C" or better in professional education courses and courses required for elementary education, special education and early childhood.
4. **Upper Division Hours:** A minimum of 39 semester hours of courses numbered 300-499 must be completed. Transfer courses will be granted lower or upper division attributes based on how the course was originally taken.
5. **Modern Language:** All students expecting to graduate with a Bachelor of Arts degree must successfully complete 12 hours of the same foreign language.
6. **Writing:** Students will complete the writing goals established by the faculty in their selected major. Students graduating with the Bachelor of General Studies degree or the Bachelor of

Applied Science degree will be required to complete one course beyond ENG 0101 and ENG 0102 from the list of approved courses with a significant writing component.

7. **General Education Curriculum Requirements:** Missouri Southern has a general education requirement curriculum program that contributes toward the development of the whole person, as an individual and as a member of society. Transfer students should refer to the Transfer Student section of the catalog regarding the General Education requirements.

## 298-498 Classes

Classes numbered 298 or 498 may not be counted toward General Education Requirements credit.

## Major

All students will be required to declare their degree sought, their major, their status and whether they will attend half-time or full-time. A major provides in-depth study of a discipline and prepares the student for a career or advanced study. Advisors are assigned within the academic department according to major. Students may apply for more than one degree, excluding the Bachelor of General Studies, provided the major differs.

## Academic Minor

Select departments have developed an academic minor that in conjunction with the MSSU baccalaureate major strengthens the student's career preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0. A student may not earn a minor in the same field as the major. Minors should be declared as early as possible but may be added at any time, including after a baccalaureate degree from MSSU has been earned. Applications to add a minor after a degree has been earned are available through the Office of the Registrar.

## Certificates

Multiple academic departments offer specialized certificates that focus on a specific area relevant to today's

workforce. These certificates are open to all students and can be earned as stand-alone or in conjunction with a degree program. A certificate requires at least 9 credit hours, which does not include prerequisites for required courses.

## A Bachelor of General Studies (BGS) Degree

The Bachelor of General Studies (BGS) is an alternative for students who do not wish to pursue an existing major. Two versions of the BGS are available. The General BGS requires that a student complete all General Education Requirements and other degree requirements. To pursue this option the student should consult with an advisor and declare the BGS as a major. The Directed BGS also requires that a student complete all General Education Requirements and other degree requirements including upper division. Additionally, a committee of faculty works with the student to combine courses from several areas to create a distinctive program. To pursue this option the student should declare the BGS as a major and consult with the dean of the school most closely associated with the course work. The dean will appoint a faculty committee to help the student structure the Directed BGS.

Students with prior baccalaureate degrees from MSSU are not eligible to apply for a BGS.

## Associate Degree

General education curriculum courses required for the Associate of Science degree typically do not completely fulfill the general education curriculum requirements for the Baccalaureate Degree.

## Graduation

1. **Graduation Requirements:** The responsibility for satisfying all requirements for a degree rests with the student. Advisors, faculty members and administrators offer help to the student in meeting this responsibility.
2. **Time of Graduation:** A student may complete graduation requirements at the close of any semester. Formal commencement exercises are held and degrees are conferred at the close of the fall and spring semesters. Students who will complete graduation requirements at

the close of summer semester may participate in spring commencement exercises.

3. **Degree Candidacy Application:** Generally students should apply for graduation at least one semester prior to the semester in which graduation is anticipated. The application process is initiated by completion of the online graduation application through LioNet, the student portal. Graduation application deadlines are published each year by the Registrar and failure to meet these deadlines may result in delayed graduation.
4. **Senior Assessment:** Graduating seniors may be required to complete a general education curriculum and a departmental exit assessment before the baccalaureate degree is awarded.

## State Legislation Requirements

Section 170.011 of the Revised Statutes of Missouri, 2015, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "successfully passed an examination of the United States Constitution and in American history and American institutions required hereby as a condition precedent to his graduation from the college or university."

All students who have completed the general education curriculum requirements with courses taken at Missouri Southern meet the requirements of Missouri law.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking EDUC 0302 or EDUC 0304.

## General Regulations

### Classification of Students

1. **By Class:**

Freshman:	0-29 Hours
Sophomore:	30-59 Hours
Junior:	60-89 Hours
Senior:	90 and above
Special Admission:	See Special Admission
2. **Postgraduate:**

Persons having completed a Baccalaureate Degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

3. **Full-time:**  
A student enrolled for 12 or more semester hours.
4. **Half-time:**  
A student enrolled in 6-11 semester hours.
5. **Less Than Half-time:**  
A student enrolled in fewer than 6 semester hours.

## Concurrent Enrollment

A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence, extension or advanced standing examination must secure advanced approval from a school dean. Financial aid recipients should contact the Financial Aid Office.

## Combined Degree Programs

Missouri Southern State University has established a combined degree program for Medical Laboratory Science. Specific requirements for this program are included in the program descriptions. Combined degree programs operate under the following regulations:

1. Complete 94 hours at Missouri Southern State University. Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSU.
2. The 94 hours must include the completion of the General Education Requirement Curriculum requirement.
3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State University catalog must be met including the application for degree candidacy and the filing of credentials with the Career Services Office.
5. A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

## Second Baccalaureate Degree

A student may receive a second Baccalaureate Degree after completing the first degree and all the requirements of the

second degree. A student may not earn the same degree more than once, even though the majors differ. The residency rules apply. See item A-I under Baccalaureate Degree requirements.

## Transcript Below "C" Average

Students who are accepted with a below 'C' transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern transfers all grades from any equally accredited institution including both "D's" and "F's".

## Maximum Credit Hour Load

To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean. Honors Program students may carry as many credits as approved by the Honors Program Director.

## Reinstatement Policy

Following the deadline for tuition and charges payment, the Bursar's Office will drop students for non-payment. Students must apply to seek re-enrollment to their current class schedule. Students with documented extenuating circumstances, who miss the deadline may file an appeal through the Vice President for Academic Affairs and Provost Office.

Students seeking reinstatement must prepay at the Bursar's Office the estimated full amount of tuition, charges and books. The receipt for payment must be presented in the Office of the Registrar in order to receive a reinstatement application. Students must obtain instructor approval for each class before the application can be processed. Reinstatement forms are due to the Office of the Registrar no later than the third Friday of the fall/spring term.

## Late Enrollment

Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not advisable and is permitted only with special permission from the appropriate department chair and instructor (for each

class). Students must pre-pay for these classes prior to enrollment. Any student enrolling after classes begin will pay a late enrollment charge.

## Adding Courses - Special Registration

A student may add a course in the appropriate department office, but only upon the approval of an advisor. A charge will be assessed each time a student changes the program not at the request of the University. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission. No courses shall be added after the conclusion of special registration.

**NON-ATTENDANCE DOES NOT CONSTITUTE A WITHDRAWAL.**

## Instructor Drop for Non-attendance

Instructors are required to request the drop for non-attendance, by the Registrar, of a student who has not attended their class during the first two weeks of the full term; no later than the second Thursday of the fall/spring term and the first Thursday of the summer term. Regardless, it is ultimately the students' responsibility to properly withdraw from classes.

## Withdrawal from a Single Class With a Grade of 'W'

A student may initiate the withdrawal from a course in the Office of the Registrar. Deadlines cited in the Schedule of Classes apply. Withdrawn students are no longer permitted to attend the class.

## Withdrawal from All Classes

A student who wishes to completely withdraw will initiate withdrawal in the Financial Aid Office (Hearnes Hall). A student who completely withdraws from the University prior to the last week of classes in a regular or summer semester will receive a grade of "W" in all courses in which the student is enrolled. Withdrawn students are no longer permitted to

attend classes. If the last date of attendance precedes the official withdrawal date, the earliest date will be used as the separation date. A student who leaves school without officially withdrawing will receive grades of 'F' in all courses.

## Military Withdrawal Policy

Persons involuntarily called to active duty in any branch of the military services of the United States while enrolled as students at Missouri Southern State University will be released from their academic responsibilities without penalty. The following options are available:

### 1. **Complete Withdrawal\***

A student called to active duty may request to be withdrawn from all classes and receive a full refund of tuition paid for class enrollment. Students selecting this option will follow the normal process for a Complete Withdrawal from the University. A copy of their orders must be submitted along with the Total Withdrawal form to receive a refund.

### 2. **Incomplete Grade**

A student called to active duty may contact course instructors to explore the option of receiving an "IN" (incomplete) grade for the course. The normal procedures for an incomplete grade will apply. The approval of this option is left to the discretion of each individual instructor.

### 3. **Single Course Withdrawal\***

A student called to active duty may request to be withdrawn from a single course past the normal published deadlines so long as the active duty orders were not received prior to the published deadline. Students are to complete the Single Course Withdrawal form. The military orders must be submitted along with the Single Course Withdrawal form to receive a tuition refund.

### 4. **Transfer to an On-line Course**

A student called to active duty may request to be transferred to an on-line version of the same course if available and acceptable by the instructor of the on-line course. Additional on-line charges will be applicable. Students must contact the Office of the Registrar for assistance.

\*Grades of "W" will have the following transcript notation: "Called to Active Duty". Room and Board: The refund of charges paid for room & board will be pro-rated. Students must contact Residential Life for assistance. Special Course Charges: The majority of these charges are not refundable. The intention of the policy is to insure that based on recommendations from the U.S. Department of Education and the American Council on Education that no service member



suffer a loss of funds or educational opportunity because s/he was called to serve.

## Class Attendance

Faculty members are encouraged to keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class or participate online regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.

For financial aid purposes, if a student misses any class for ten (10) consecutive working days or does not participate in an online class, the faculty member will submit The Last Date of Attendance form to the Office of the Registrar. Online forms are available on LioNet.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, University approved activities and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Affairs and they will in turn counsel with the student. Any student earning a grade of "F" must have the last date of attendance recorded on the Grade Roster. All students who stop attending class or participating in an online class should also have the last date of attendance recorded on the Grade Roster.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.

## Transcript Dispute Policy

Students with a dispute on their academic transcript shall be granted one year from the end of the term in which the notation appears, to submit a written appeal regarding the notation in question. Appeals may be submitted to the Office of the Registrar.

# Grades And Grading Policies

## Grading System

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade	Grade Points
A Outstanding	4
B Above Average	3
C Average	2
D Minimum Passing	1
F Failing	0
W Withdrawal	

The current policy for the 'W' grade is as follows:

1. Course withdrawals will be permitted through the second week for full-term courses and the first two days for part-of-term courses of the semester without any grade recorded.
2. Course withdrawal during the third through the eleventh week of the semester will be indicated by a 'W' posted to the record for full-term courses. Students have the first two days of the course for part-of-term courses.
3. Course withdrawals are not permitted after the eleventh week of the regular semester (or its equivalent). A student who stops attending class without officially withdrawing is in jeopardy of receiving an 'F' in the course.
4. A student who completely withdraws from the University prior to the last week of classes in a semester may receive a grade of 'W' in all courses in which the student is enrolled.

## Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in GPAs. This program will permit a student to explore course work outside of the major without jeopardizing the GPA. The minimum performance level required to receive credit in a credit/no-credit course is a grade of 'D.' Students may be eligible to enroll for certain

courses on a credit/no-credit basis under the following conditions:

1. That such registration be approved by the advisor and the chair of the department through which the course is offered.
2. That the student has attained sophomore rank or higher (30 or more hours).
3. That the student has achieved a cumulative GPA of at least 2.0.
4. That such enrollment be limited to one course per semester.
5. That the total enrollment on a credit/no-credit basis be limited to no more than three courses or 10 credit hours in any student's degree program.
6. That the courses involved are not part of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
7. That the courses involved are not part of the General Education Requirement Curriculum requirement.
8. Registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
9. After a student has enrolled in a course under the credit/no-credit option, that individual may not subsequently change to a graded basis in that course.

This policy does not apply to those courses regularly designated as credit/no-credit courses such as Recital Attendance, Student Teaching and ISEP, Bilateral Exchange and the Missouri London/Greece programs and Life/Work experience.

**Incomplete (IN):** A grade of 'IN' may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an 'F' and does not entitle a student to attend the class during a subsequent semester. Incomplete grades are approved at the sole discretion of the instructor. Students must make arrangements prior to the end of the course to receive an IN grade. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an 'F' automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an 'F'. A student may not graduate with an incomplete grade.

**In Progress (IP):** A grade of 'IP' will be given in a situation in which a student is unable to complete the work of the course

within the semester for a valid non-emergency reason, such as a research project or internship that overlaps two semesters. It is not intended as a substitute for an 'F' and does not entitle a student to attend the class during a subsequent semester. In Progress grades are approved at the sole discretion of the instructor. Students must make arrangements prior to the end of the course to receive an IP grade. An 'IP' must be made up by the end of the next semester (excluding summers) or it will be converted to an 'F' automatically. Both credit and grade points for that course are suspended until the 'IP' is converted to either a passing grade or an 'F'. BSE majors will not be able to begin student teaching if an 'IP' grade is in force. A student may not graduate with an 'IP' grade.

**Audit (AU):** A student may audit a class for no grade and no credit. A Request to Audit must be filed in the Office of the Registrar by the end of the second week of class. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular charges and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

**Change of Grade:** A change is initiated by the faculty member by filing a Change of Grade form, approved by their dean, with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the school dean and Vice President for Academic Affairs. Change forms must be submitted within one year.

**Independent Study:** Independent study courses are special courses which may be taken by students at the discretion of the faculty advisor and the appropriate college officials. These courses are designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Students may enroll in independent study courses for a total of three hours for the associate degree and a total of six hours for the baccalaureate degree providing they:

1. have completed:  
30 hours toward the Associate Degree  
90 hours toward the Baccalaureate Degree
2. have a minimum cumulative 3.00 GPA;
3. have permission of the advisor, department chair and the school dean in the area of independent study.

**Midterm Grades:** Missouri Southern will post midterm grades during the eighth week of the term for full-term classes. These grades are viewable through LioNet and are informational only. Midterm grades do not appear on the academic transcript.

**Posting of Grades:** Public posting of a student's name and grade or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974, FERPA) which does not allow disclosure of recorded data or information without the individual's written consent.

**Official Transcript:** An official transcript of the student's academic record bears the Registrar's signature and the University seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Office of the Registrar.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript reflecting the most recent semester. Four to six weeks is necessary for the posting of recently awarded degrees. The transcript request must be submitted at [www.mssu.edu/student-affairs/registrar/transcripts.php](http://www.mssu.edu/student-affairs/registrar/transcripts.php). No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Bursar's Office.

## Institutional Effectiveness

Josephine Welsh  
Director

Plaster Hall 321 • 417-625-9349  
[mssu.edu/academics/institutional-effectiveness/](http://mssu.edu/academics/institutional-effectiveness/)

## Our Mission

The mission of the Office of Institutional Effectiveness is to assist campus stakeholders in acquiring and using institutional data and findings from learning outcomes assessment to make informed decisions in fulfillment of the University's Strategic Plan.

## Activities of Institutional Effectiveness (IE)

Missouri Southern is committed to measuring outcomes of curricular and co-curricular programs. Both the General Education/Core 42 Requirements and Academic Program outcomes are assessed by faculty and staff and reviewed by the Assessment Committee on a regular basis. Federal, state and local reports of institutional data are prepared and archived by the IE staff. Analytical and descriptive reports are

generated to aid stakeholders in data informed decision making. Quantitative and qualitative data are compiled in order to help evaluate the effectiveness of academic and non-academic programs.

## Distance Learning

Scott Snell  
Director  
Webster Hall 109 • 417-623-3188  
[mssu.edu/academics/distance-learning/](http://mssu.edu/academics/distance-learning/)

## Mission

Missouri Southern's Department of Distance Learning exists to support online students and faculty with online classes in highly engaging and interactive online learning environments. Offering instructional design and multimedia production that is consistently perceived as professional, knowledgeable and up-to-date, this department helps facilitate high quality and satisfactory learning experiences for students seeking flexible access or degree completion in selected undergraduate and graduate programs.

## Quality Assurance

The Department of Distance Learning and online faculty at Missouri Southern take great pride in the quality of our online offerings. Each online course is reviewed regularly, helping to ensure a rewarding and worthwhile learning experience for our online students. Look for Distance Learning's Certified Quality badge in your online course! This badge guarantees your online class has met MSSU quality standards and best practices.

## Faculty Dedication

Online faculty at Missouri Southern are dedicated to the success of our online learners. It is the goal of all faculty teaching online at Missouri Southern to provide online students with learning experiences equivalent to those of the campus classroom. To that end, faculty are committed to providing their online students regular and substantive interaction. Online students at Missouri Southern can expect rigorous academic activities, regular communications, timely

inquiry responses and grades, and substantive feedback from their instructors.

## Online Learning with Blackboard

Students taking online classes at Missouri Southern will enjoy challenging and engaging learning experiences within Blackboard Learn™, our online learning management system (LMS). With an Internet connection and browser, students can read announcements, watch and listen to audio/video presentations, retrieve course documents and handouts, participate in discussions, take exams and quizzes, turn in assignments, and receive feedback from their instructors. Blackboard Learn™ is an industry leader in online learning, providing instructors and students the absolute latest in teaching and learning technologies, providing instructors and students the absolute latest in teaching and learning technologies.

## Online Tutoring

Online students at Missouri Southern have complete access to the University Student Success Center. Online students can forward writing submissions to the Writing Studio for feedback and writing support. Students can also schedule and join synchronous online tutoring sessions with the Center's highly trained student tutors.

## Online Testing

Assessments in online classes at Missouri Southern can be completed online. Students taking online classes requiring proctored tests, which are tests that must be taken in the physical presence of a testing monitor, will be provided the option of completing such exams online. To take advantage of this option, students will need a reliable internet connection and computer with audio/video capabilities. Students are responsible for a one-time, per-class, per-semester \$10.00 charge for this service. Students also have the option of completing proctored exams at physical testing locations. There is no charge when using Missouri Southern's Testing Services Office on campus.

## Academic Outreach

Brett Meeker

Director

Hearnes Hall 315 • 417-625-9785

[mssu.edu/academics/dual-credit](http://mssu.edu/academics/dual-credit)

## Mission

The mission of the MSSU Dual Credit/Dual Enrollment Program, in collaboration with area high schools, is to provide geographically feasible and affordable access to quality university-level undergraduate education to high-performing high school students in order to enrich the high school educational experience as well as foster a smooth transition from high school to a four-year university.

## Student Eligibility

Student eligibility information is available through the Missouri Department of Higher Education website. Please visit <http://dhe.mo.gov/cota/dualcredit.php> for the most up-to-date student eligibility information.

## Dual Credit

Dual credit enables qualified high school students to take University-level courses taught by qualified high school instructors. Students simultaneously receive academic credit for the course from both the high school and MSSU.

## Dual Enrollment

Dual enrollment enables qualified high school students to take University-level courses taught by an MSSU faculty member while simultaneously enrolled in the high school and MSSU. Credit is typically only awarded at the university level; however, students may be eligible to earn high school credit for such courses with approval from the high school district.

## Continuing Education

The MSSU Continuing Education program provides individuals with both personal and professional enrichment opportunities. The Community Education Program allows students to experience the joys of discovery and intellectual achievement that make MSSU an exceptional place to learn and grow. The Professional Education Program allow students to enhance their professional skills through workshops, seminars, short courses, conferences and programs.



# Honors Program

Dr. Michael Howarth  
Director  
Taylor Hall 206 • 417-625-3005  
mssu.edu/academics/honors

## Mission

The Honors Program serves Missouri Southern State University by recruiting academically talented, motivated students and engaging them in enhanced education opportunities and challenges designed to promote their continual development as scholars and citizens.

## Vision

The Honors Program will be recognized as a leader in academic excellence by both the University and the community and will serve as a model by which students are enabled to exemplify the fulfillment of the University's mission and values.

## Values

**Intellectual Curiosity:** The Honors Program promotes interest leading to inquiry, the pursuit of diverse knowledge and a respect for varied ways of learning.

**Community:** The Honors Program fosters personal, supportive contact between and among its students and faculty while encouraging students to participate in all aspects of campus life.

**Student-Centered Learning:** The Honors Program provides challenging, active learning opportunities in all areas of the curriculum.

**Critical Thinking:** The Honors Program provides students with experience in objectively analyzing and interpreting information, opinions and beliefs.

**Scholarship:** The Honors Program promotes academic excellence in all areas, with an emphasis on scholarly research.

**Service Learning:** The Honors Program facilitates the maturation of students as citizen leaders through service to the community and individual reflection.

**International Experience:** The Honors Program prepares its students to be global citizens by emphasizing cross-cultural experiences.

**Student Support:** The Honors Program provides special support to its students to assist them in reaching their personal and professional goals.

Beginning with the first semester of their freshman year, Honors students participate in specially-designated Honors classes. Because admission is selective and competitive, these classes are smaller and often involve more active learning than regular classes, permitting Honors students greater and more intensive interaction with their instructors and other outstanding students.

Honors students also enjoy intensive guidance and personal attention from the Honors Director and from distinguished faculty in their area of study. Independent studies and the Senior Thesis project provide students and faculty with the flexibility they need to pursue scholarly interests and to design and implement innovative, creative approaches to learning.

Performance expectations are high. Honors students are held to the highest standards of academic performance, but are not in competition with one another. Instead, an atmosphere of openness, cooperation and intellectual adventure enables Honors students to inspire and challenge one another to the highest levels of achievement.

## Curriculum

While students will take courses offered in Southern's regular curriculum, the following features are specifically designed for Honors students:

**Honors Forum:** This course provides an in-depth discussion of a specific topic, text or other matter of interest. Students engage in critical thinking as they participate in and lead classroom discussions and presentations.

**Service Learning:** Honors students experience firsthand the value and challenge of community service as they simultaneously participate in and analyze the culture of a local service institution.

## Honors Recognition

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council and the national honor societies Phi Eta Sigma and Alpha Chi. Most Honors students have the opportunity to participate in the activities of these organizations.

Every Honors course completed with a final grade of 'A' or 'B' is identified as an Honors course on the student's transcript. Students who maintain a cumulative GPA of at least 3.3, complete the required 27 hours of Honors courses and who continue acceptable progress in Honors will receive special recognition at commencement.

## Honors and Evans Scholarships

All Honors Scholars are automatically eligible for an academic scholarship at Missouri Southern. In addition to competing for admission to the Honors Program, candidates are also competing for additional scholarships. The Honors and Walter and Fredrica Evans Scholarships will be awarded in varying amounts to the most highly qualified applicants as funds allow. The Evans Fellowship is a four-year renewable scholarship of \$6,000 per academic year plus \$5,600 each academic year for room and board; the Evans Scholarship is a four-year renewable scholarship of \$6,000 per academic year; and the Honors Scholarship is a four-year renewable scholarship of \$3,500 per academic year for in-state residents and \$7,000 per year for out-of-state residents. Note: Students who live in Kansas, Oklahoma, Arkansas, and select counties in Illinois qualify for Lion Pride in-state tuition, and thus receive a four-year renewable Honors Scholarship equal to \$3,500 per year. These three scholarships are Southern's most valuable institutional academic awards.

## Eligibility

All students who wish to participate in the Honors Program must first be admitted to Southern. Incoming freshmen are eligible to apply if they meet one of the following requirements:

1. Earn an ACT composite score of 28 or above, or an SAT score (CR + M) of 1300 or above.
2. Rank in the top 10% of their high-school class.
3. Have a GPA of at least 3.7 (on a 4-point scale) in high-school coursework.

To complete the application process the student must submit an application form, a transcript, a written essay, and two letters of recommendation mentioning the student's strengths as a scholar. Outstanding candidates will be invited to an on-campus interview.

Students who have already completed one to four semesters of course work with a GPA of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they may not be eligible for the Honors or Evans Scholarships.

## Institute of International Studies

Chad Stebbins

Director

Webster Hall, 337A • 417-625-9736

[mssu.edu/academics/international-studies](http://mssu.edu/academics/international-studies)

## Mission

In July 1995, Missouri Governor Mel Carnahan signed into law House Bill No. 442, which directed that Missouri Southern "shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." That legislation was enacted as part of Missouri's "Blueprint for Higher Education," adopted by the Coordinating Board for Higher Education.

The faculty and administration of Missouri Southern developed over the next year the outline of a comprehensive plan of international education. Included was the establishment of the Institute of International Studies, charged with overseeing the internationalizing of the campus.

## Internationalizing the Curriculum

The most distinctive aspect of Missouri Southern's effort to internationalize the curriculum, and the one with the most tangible effect throughout the campus community, has been the designation of "themed semesters." Each fall, a particular country or region of the world is selected to become the focus of intensive study. For the Fall 2018 semester, we will be

highlighting the five Nordic countries: Sweden, Norway, Finland, Denmark, and Iceland. Missouri Southern was one of 13 U.S. colleges and universities included in Internationalizing the Campus 2004: Profiles of Success at Colleges and Universities, a major report published by NAFSA: Association of International Educators, for its themed semesters. The report showcases U.S. colleges and universities that are making innovative, wide-ranging efforts to integrate global approaches to teaching into campus learning.

## Study Abroad Programs

Study abroad programs also provide Missouri Southern students with additional opportunities to gain an understanding of other cultures and international issues. While many students travel with faculty on short-term programs, an increasing number are spending an entire semester abroad. Through the International Student Exchange Program (ISEP), students can pay MSSU tuition and room and board while attending any of 300 universities in 50 countries. MSSU also has a dozen partner universities around the world where students can pay MSSU tuition while renting apartments near the campuses. The Missouri London Program provides students with the opportunity to spend a semester at the University of Roehampton. We offer \$1,000 study abroad grants to students going on the short-term trips and \$1,250 grants for students spending a semester abroad.

## George A. Spiva Library

James Capeci  
Library Director  
Spiva Library 120 • 417.625.9806  
[mssu.edu/academics/library](http://mssu.edu/academics/library)

The George A. Spiva Library is the major information source on campus, providing access to over 1 million research items in a variety of formats, including print books and journals, electronic books and journals, multidiscipline research databases, and microform collections. Along with these research materials Spiva Library also houses several individual and private group study rooms, a large quiet room, various public study spaces, a technology enhanced instruction classroom, multiple computer labs and a coffee shop.

## Accessibility, Staff & Hours

Spiva Library works closely with the campus Disability Services Coordinator to ensure that the library is accessible to patrons with disabilities. Patrons with a disability may contact any library staff member for assistance.

Helpful staff members are stationed throughout the library to support all materials and services. The staff is composed of degreed librarians, numerous support staff members, and student employees who serve in all areas of the library.

Spiva Library hours\*:

- 7:30 a.m. - 10 p.m. Monday -Thursday
- 7:30 a.m. - 5 p.m. Friday
- 10 a.m. - 4 p.m. Saturday
- 2 p.m. - 10 p.m. Sunday

\*Library hours differ during holidays, breaks and summer session.

## Audio Visual, Curriculum and Government Documents

Located on the top floor of the Spiva Library is the Audio Visual, Curriculum and Government Documents Center. This area includes compact discs, DVDs, slides, kits, and miscellaneous instructional materials. The Center provides appropriate playback equipment for the materials. Curriculum textbooks, curriculum guides on microfiche as well as young adult and juvenile books that support the teacher education curriculum are housed in this area. Spiva Library is a selective depository for federal documents, which are located on the 4th floor. The staff provides limited production services such as laminating. There is a small inventory of DVD players, televisions, and recorders.

## Archives and Special Collections

Located on the first floor of Spiva Library, the University Archives and Special Collections Department collects, arranges, preserves, and makes accessible the institutional history of Missouri Southern State University, from its beginnings as Joplin Junior College through the present day. This department also maintains special collections in order to preserve local history. These special collections include the Tri-State Mining Collection, which contains over 3000 mining maps of Missouri, Kansas and Oklahoma, the Daniel Stewart Collection of mining maps and other materials, the collection

of Congressman Gene Taylor and the collection of Joplin Junior College alumni Arrell Gibson, in addition to rare book collections, including a collection of books relating to local history.

## Equipment

Six computer labs contain over 100 workstations for student use on every floor of the library, three with scanners, and all workstations are connected to black and white/color network printers. One computer lab is devoted to Macintosh computers. A portion of the workstations have specialty software such as AutoCAD, Minitab, SPSS, and Visual Studio. Four additional workstations are available for quick searching. Digital and analog microform readers and printers are available for viewing and printing periodical back files. A color photocopier is located next to the Main Circulation Desk.

## Instruction

The teaching function of the library is important, as it should be at a university that prizes teaching and research excellence. The mission of the Spiva Library's Information Literacy (Instruction) Program is to ensure students are able to locate, evaluate, and use information effectively and ethically. To meet these objectives, library faculty provide building tours of the library, research skills classroom instruction sessions, online research guides (<http://libguides.mssu.edu/index>), and one-on-one research consultations. To schedule instruction or a research consultation, please call 417-625-9729 or email [LibrRef@mssu.edu](mailto:LibrRef@mssu.edu).

## Mission

The George A. Spiva Library provides organization of and access to information essential to Missouri Southern State University's commitment to a liberal arts education and lifelong learning, with a firm emphasis on international studies and quality classroom teaching and research. The library also serves as a resource for residents in the region. Professional librarians and trained support staff expedite and enhance access to information through the sharing of expertise, participation in networks, the acquisition and maintenance of resources, creation of bibliographic tools and help guides, development of instruction programs, and the availability of reference services. The curriculum and research needs of students, faculty, and staff are met by providing timely access

to information in the most beneficial format. Spiva Library will maintain and enhance user-oriented services, introduce new technologies, and build collections that contain diverse points of view. These initiatives will further demonstrate the central role played by the library in supporting the mission of the University and the educational needs of our constituents.

## Online Catalog

SWAN (SouthWest Academic Network) is the public catalog and available via the Internet at <http://swan.searchmobius.org/>

The catalog allows a search of Missouri Southern's materials and/or those held by other other members of the SWAN cluster of institutions. SWAN has grown to include: Missouri Southern State University, Baptist Bible College, Cottey College, Crowder College, Drury University, Evangel University, Missouri State University, Ozark Christian College, Ozarks Technical Community College and Southwest Baptist University.

SWAN is one of nearly 11 clusters forming MOBIUS, a consortium linking the academic libraries of Missouri. MOBIUS enables a student to borrow a book from any academic library in Missouri and expect to receive it within an average of 48 hours. The requests are delivered Monday through Friday by an independent courier. This system eliminates tedious forms and provides rapid service. The book resources available number in the tens of millions and may be borrowed by MSSU students, faculty, and staff free of charge. Six large public library systems have joined MOBIUS in resource sharing and provide additional materials for our students. Currently, over 78 libraries form MOBIUS, including academic, public and special libraries, and the Missouri State Library.

## Materials Access & Research

Access to these resources is available through the library's web page at: <http://www.mssu.edu/academics/library/>. The library provides access to hundreds of databases, and hundreds of thousands of electronic books. Students, staff, and faculty may access these resources from off-campus through the proxy server using their Missouri Southern credentials. Spiva Library maintains print periodicals and microforms of back issues. Students, staff, and faculty may borrow materials by presenting their campus ID at one of the two circulation desks. Interlibrary loan requests for materials that are unavailable in-house or through MOBIUS are sent and received through an

international computer network of libraries called OCLC. Periodical articles are rapidly sent and received via fax and email.

## Show-Me Gold

The Missouri Army National Guard Officer Leadership Program (SHOW-ME GOLD) will offer citizens of Missouri the opportunity for professional development to become officers in the Missouri Army National Guard. The officer training program will consist of credit-bearing classroom instruction, leadership laboratories, and physical training.

Student participants in the program must satisfy admissions standards of both Missouri Southern State University and the Missouri Army National Guard. Those who qualify for any of Southern's merit-based scholarships will be eligible to apply those benefits to books, charges, and expenses.

Students will enroll in Southern's regular academic programs, but also will take credit-bearing military science courses offered through the Missouri Army National Guard and fulfill other additional requirements.

To learn more about the program contact:

CPT Richard Wischmeyer

Phone: 417-625-9690 • Email: [wischmeyer-r@mssu.edu](mailto:wischmeyer-r@mssu.edu)

## Writing Program

Each department is responsible for ensuring that their graduating seniors have achieved a level of writing competency needed to perform effectively in their chosen careers. Students will complete the writing goals established by the faculty in their selected major. Students graduating with the Bachelor of General Studies or the Bachelor of Applied Science degree will be required to complete at least one course beyond ENG 0101 and ENG 0102 selected from a list of approved courses.



# Student Information

## Student Affairs

Vice President for Student Affairs  
Darren Fullerton  
Billingsly Student Center - 417.625.9392

## Mission

The Division of Student Affairs at Missouri Southern State University is committed to creating a positive campus community which values student success and life-long learning in a global society. The Division provides students with a variety of programs, services, and facilities that enhance and support their academic experience and prepares them to meet life-long intellectual, ethical, personal and career challenges.

## Purpose and Objectives

The Division includes Advising Counseling and Testing (ACTS), Admissions, Bursar, Career Services, Dean of Student Success & Support, Director of Student Life & Conduct, Financial Aid, First Year Experience, Food Service, International Admissions, Disability Services, Recreational Services and Wellness, Registrar, Residence Life, Student Activities, Student Health Services, Student Senate, Student Success Center, TRIO Programs (Project Stay, Upward Bound and Talent Search), and University Police.

With the goal of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

1. providing a campus climate in student residence and campus affairs that is conducive to academic achievement;
2. providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
3. providing, through student government, student organizations and student activities, both an opportunity to practice democratic living, with both rights and responsibilities and a chance to learn to work effectively and cooperatively with others;
4. providing an opportunity for those individuals who are capable of profiting from higher education by providing

financial assistance, when necessary, in the form of scholarships, grants, loans and employment;

5. helping each student develop a sense of individual responsibility and self-discipline;
6. interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public;
7. providing student health services that meet the emergency and temporary medical needs of all students;
8. providing an opportunity for students to gain information about the world of work and job opportunities; and
9. providing assistance and direction in matching student qualifications with job requirements.

## Advising, Counseling & Testing Services (ACTS)

Faustina Abrahams  
Director  
Hearnes Hall 314 • 417.625.9324  
acts@mssu.edu  
mssu.edu/student-affairs/advising-counseling-testing-services

The primary goal of the Advising, Counseling and Testing Services (ACTS) department is to promote the student's academic and personal development. Services are provided for individuals with educational, academic, personal and social concerns. Experienced professional staff and clinical counselors provide individual counseling for academic, career and short-term personal concerns as well as offer a variety of tests, inventories and referral services.

## Advising Services

### MSSU Academic Advising Mission

The Academic Advising mission at Missouri Southern is an educational process that, by intention and design, facilitates students' understanding of the meaning and purpose of higher education and fosters their intellectual and personal development toward academic success and lifelong learning.

## Vision

At Missouri Southern State University, academic advising provides students with the opportunity to build a relationship with their advisor for the purpose of gaining assistance in planning their educational career, in learning the skills needed for academic success and in learning how to access the variety of resources and services available to them on the Missouri Southern campus.

Academic advising is an extension of teaching. Academic advising is a collaborative educational process whereby students and their advisors are partners in meeting the essential learning outcomes, facilitating student academic success and outlining the steps for achievement of the students' personal, academic and career goals. This advisor/student partnership requires participation and involvement of both the advisor and the student as it is built over the student's entire educational experience at Missouri Southern. Both the student and the advisor have clear responsibilities for ensuring the advising partnership is successful.

Missouri Southern State University adopts the National Academic Advising Association (NACADA, 2006) Core Values and the Council for the Advancement of Standards in Higher Education (CAS, 2007).

## Students with Declared Majors

Students, who have declared an academic major, will be assigned to a faculty member in the department of their major. Advisor assignments for new freshman will take place during the UE 0100 The University Experience. Advisor assignments are made at the departmental level.

## Undecided Students

Students who have not declared an academic major area of study will be assigned an advisor from the ACTS staff. Approximately 60 percent of the entering freshmen are undecided. At the beginning of each semester, ACTS advisors invite their advisees to make individual appointments to discuss an academic plan and preparation for enrollment into the next semester classes. Advisors work closely with students in exploring their educational and degree options. The responsibility for satisfying all requirements rests with the student. Advisors, faculty and administration assist in meeting this responsibility.

## Career Exploring

Students who are uncertain of their major are encouraged to explore careers by:

1. Enrolling in a Career and Life Planning course (UE 0105)-This class is designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities and selecting appropriate career development strategies; or
2. Meet individually with an advisor in the ACTS office to identify, understand and explore academic/career related concerns.

## Major Fair

The intent of this fall program is to provide a centralized opportunity for students to investigate various curricular and career options in one place at one time and allows academic departments to showcase their majors and minors.

## Counseling Services

Confidential, personal counseling is available at no charge to students who may be struggling with relationship issues, anxiety, stress, depression, adjustment issues, grief, trauma or problems with eating disorders or drug or alcohol abuse. Contact the ACTS department in person or by phone to set up an appointment. Mental Health Counselors are licensed professionals. Referrals to additional resources may be given as appropriate.

## Consultation and Referral

Clinical Counselors are available, upon request, to provide consultation to the administration, faculty, staff and students. The staff also will facilitate referrals to outside agencies and to licensed professionals as needed.

## Emergency

Crisis Intervention is provided to deal with situations requiring immediate attention. Outside of normal working hours, dial 911 for emergencies. For more information about being safe on campus visit [www.mssu.edu/student-affairs/university-police](http://www.mssu.edu/student-affairs/university-police).

## Other Services

Outreach: Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques and skills relevant to specific topics of interest such as: stress management, test anxiety, self-esteem and building successful relationships.

## Testing Services

Missouri Southern is a national testing center for the following examinations:

1. ACT (Placement test for college entrance)
2. Missouri Educator Gateway Assessment
3. HiSET (Missouri High School Equivalency Exam)
4. MAT (Miller's Analogy Test for graduate school)
5. CLEP (College Level Examinations Program)
6. Pearson VUE (Select exams)
7. LSAT (Placement test for law school)
8. Praxis Series (National Teacher's Exam)

## The CLEP (College Level Examination Program)

Administered by appointment. The student must contact Testing Services to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for General Education Requirements. In order to receive credit for a CLEP examination, a student must have the following qualifications:

1. not have taken an examination over the course within the preceding three months;
2. not have credit in a more advanced course in the same field;
3. not use the examination to replace a previously earned grade;
4. students are required to submit a transcript to Testing Services prior to taking a CLEP exam;
5. credit awarded for CLEP exams are included in the 30 hour credit maximum for Alternative Credits.

## Proctoring Tests

Testing Services also provides proctors and a testing room for students taking correspondence courses from other accredited

institutions. Appointments must be made prior to taking the test. There is a cost incurred for each test administered.

## TOEFL

All students whose native language is not English, are required to have either the TOEFL or the Michigan College English Test. For more information on the TOEFL exam visit Educational Testing Services at [www.ets.org](http://www.ets.org). Minimum TOEFL scores are:

- Score of 68 + for TOEFL Internet based plus TOEFL writing 25 +
- IELTS score of at least 6.0 with a writing score of 5.5 or higher and no subject subscore below 5.0
- The International Test of English Proficiency (iTEP) score of 4.0
- Michigan English Placement Test (MEPT) score of at least 85

## HiSET

Testing Services also provides the HiSET High School Equivalency Test as a service to Missouri residents who were unable to complete their high school education. The person making an acceptable score on the HiSET test will receive a high school equivalency certificate from the Missouri State Department of Education. Application process: visit [hiset.ets.org](http://hiset.ets.org) for additional information and to schedule an exam.

For additional information about all Testing services contact Testing Services at 417-625-9577 or 866-818-6778, Webster Hall 117, or [testingservices@mssu.edu](mailto:testingservices@mssu.edu).

## Prior Learning Assessment credits (PLA)

PLA credits may be earned for career and professional experiences that are documented through a portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean.

- The initial advisement, application process, and final notification to students occurs in Testing Services.
- Applicants interested in the PLA credits have to be degree-seeking, in good academic standing at MSSU,

with a declared major, and at least 12 completed credit hours within the last 5 years at MSSU.

- There is a \$50 non-refundable Portfolio Application process charge to be paid before a portfolio can be submitted for evaluation.
- Each portfolio can only be submitted for one PLA course and is to be applied to the declared major
- Each portfolio will be evaluated for approval by a faculty advisor, Department Chair, Dean of School, and Vice President of Academic Affairs
- Upon approval of the Portfolio, student will have to pay for the Prior Learning Course charge before grade will be posted on transcript.
- PLA credits are \$60/credit.
- Grade awarded for each approved portfolio will be "CR".
- Portfolio process may take an entire semester for approval, therefore submission should be well in advance of expected graduation date.
- A maximum of 15 credit hours is permitted for credits earned through portfolio submissions.
- PLA credits are included in the 30 hour maximum credits for Alternate Credits earned at MSSU

For information contact: Coordinator of Prior Learning Assessment, Robin Douglas in Testing Services at [douglas-r@mssu.edu](mailto:douglas-r@mssu.edu), or [testingservices@mssu.edu](mailto:testingservices@mssu.edu), 866-818-6778 or 417-625-9887. Webster Hall 117.

## Student Success Early Alert Programs

### Lion Alert

Lion Alert is one of the three Student Success early alert programs intended to support and assist students who may be having difficulties. It is a confidential online referral system where for faculty, staff, students, and guests can refer students struggling or students for whom they have concerns. Students can self-refer to get help as well. Appropriate support staff will reach out to referred students and offer the appropriate support or assistance. Early referral and outreach to referred students allows for resources to be provided before any prolonged struggle. Referrals are made online through Missouri Southern's Lionet portal with guest access through the MSSU website at [lionet.mssu.edu/web/guest/lion-alert](http://lionet.mssu.edu/web/guest/lion-alert).

### Mid-Term Grades

Mid-term grades support Missouri Southern State University's commitment to student success. Mid-term grades are indicators of a student's progress. Mid-term grades are informational only and to be used only as a gauge of current progress in a specific class. Mid-term grades will not appear on or become part of the student's permanent academic transcript. Mid-term grades are only provided for 16-week courses and are considered an advising tool. Students with "d" or "F" grades are advised of poor academic performance and provided with the tools to make an informed decision about how to improve their grades. Midterm grades are not recorded on official student transcripts.

Mid-term grades are reported to students through the University's Lionet portal.

## Path to Academic Success (PASS)

PASS is an early alert support program designed to assist freshmen students whose GPA falls below the minimum standards of academic progress. The program aims at enhancing academic success through a variety of academic success services including personalized academic success plans, individual academic coaching, strategic workshops and periodic progress checks. This program is not a class; it is an academic support system.

For more information regarding the Student Success Early Alert programs, contact the Advising, Counseling and Testing Services (ACTS) department at 417-625-9324, Hearn Hall 317, or [acts@mssu.edu](mailto:acts@mssu.edu).

## Admissions

Michael Sanders  
Director of Admissions  
[admissions@mssu.edu](mailto:admissions@mssu.edu)  
Hearn Hall 106 • 417-781-6778  
[mssu.edu/admissions](http://mssu.edu/admissions)

Admission decisions are based on current admission policies established by the Board of Governors and are made in accordance with the recommendations of the Coordinating Board for Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admissions Office, online at <http://www.mssu.edu/admissions/apply-now.php> and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State University encourages students from private,

home schooling and non-accredited high schools to contact the Admissions Office for details on how to be accepted into Missouri Southern.

Missouri Southern State University emphasizes the dignity and equality common to all persons and adheres to a strict nondiscrimination policy regarding the treatment of individual faculty, staff, students, third parties on campus, and applicants for employment and admissions. In accord with federal law and applicable Missouri statutes, the University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, pregnancy, ancestry, age, disability, genetic information, veteran status, or any other legally-protected class, in employment or in any program or activity offered or sponsored by the University, including, but not limited to, athletics, instruction, grading, the awarding of student financial aid, recruitment, admissions, and housing

## Credentials Required for Freshman Admission Regular Admission

1. **High School Transcript:** An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. The University will accept a satisfactory score on the General Educational Development (GED) or HiSet test in lieu of a high school transcript.
2. **Placement Test:** Missouri Southern participates in the American College Testing Program (ACT). Scores from the enhanced battery must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center. Students over the age of 21 applying as first-time freshmen are not required to submit an ACT score; however, ACT or MSSU placement tests must be taken if no math or English class has been completed prior to enrolling in those classes. Either ACT or SAT scores are acceptable.
3. **Application:** Missouri Southern admits students on a rolling basis. Students are encouraged to apply early. The application for admission must be submitted to the Admissions Office one week before the first day of enrollment (see University calendar). This includes all credentials required by the Admissions Office.

4. **Application Cost:** A payment of \$25 must be included with the application for admission. (This is non-refundable and non-applicable to other college charges.)
5. **Miscellaneous Requirements:** Additional credentials may be required from students whose application credentials raise questions about their acceptability into the student body. While the University makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the University's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

## Current Admission Requirements for First-Time Entering Freshmen:

An applicant must meet one of the following:

- ACT Composite Score of 21 or higher
- Top 50% rank in class
- 2.25 cumulative GPA

Applicants who do not meet one of these requirements will be reviewed by the selection committee.

## High School Core Curriculum Requirement

The University strongly encourages high school students to follow the Core Curriculum recommendations outlined by the Missouri Coordinating Board for Higher Education. The core includes:

**English, 4 units.** Two units emphasizing composition or writing skills are required. One unit may be speech or debate.

**Mathematics, 4 units.** The units must include Algebra I, Algebra II, Geometry and a fourth higher level mathematics course.

**Social Studies, 3 units.** Courses should include United States history and courses selected from world history, government, geography and economics.

**Science, 3 units.** General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.



**Visual/Performing Arts, 1 unit.** Fine arts courses include such areas as visual arts, music, dance or theatre.

**Electives, 3 units.** Electives may be selected from world geography, higher level mathematics, additional science, foreign languages (if a language is chosen as an elective, the University recommends 2 units of the same language), advanced placement courses or a combination of the core courses listed above.

**Admission requirements are subject to change without notice.**

**Admissions Review Committee:** Individuals who do not meet the University's admission criteria will have their application forwarded to the review committee. The committee may make one of four decisions: grant regular admission, admit conditionally, deny admission or admit as a special non-degree seeking student.

Individuals who have been convicted of a felony are asked to report this information on the application for admission and provide an explanation to the nature of the felony conviction. Individuals indicating a prior felony conviction will be reviewed by the committee to determine acceptance. If the student is not accepted for admission, an appeal can be submitted in writing to the Executive Vice President.

**Students With Previous College Experience / Former MSSU Students:** Former Missouri Southern State University, Jasper County Junior College and Joplin Junior College students must inform the Admissions Office of their intention to return. Students will be required to update their credentials by using the re-admission application form. No application payment is required.

## Transfer Students: Transfer Admission Requirements

Applicants must meet the following conditions:

1. The student must be in good standing at the institution from which they are transferring.
2. The student must have a cumulative GPA of 2.0 or higher (on a 4.0 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the University's standards of progress may be considered for admission on probation. Individuals who do not meet the University's admission criteria will have their application forwarded to the review committee. The committee may make one of four decisions: grant regular admission, admit

conditionally, deny admission or admit as a special non-degree seeking student.

Transfer students who have completed the State of Missouri general education curriculum (42 semester hours) or have earned the Associate of Arts (AA) degree from a two-year or four-year regionally accredited institution or foreign equivalent of an AA have met the MSSU general education curriculum requirements.

Transfer students who have not completed the above general education curriculum will have their courses evaluated on a course-by-course basis. Credits from a regionally accredited two-year college will be accepted to meet lower division (100-200 level) requirements only.

MSSU will accept unlimited lower division transfer hours from regionally accredited two-year colleges. These existing policies must be met:

1. Students must earn 30 hours completed with MSSU.
2. One-half of the major requirements must be earned at MSSU.
3. Thirty-nine upper-division (300-400) hours are required for graduation.
4. Writing requirements.

The following credentials must be submitted to the Admissions Office:

1. Official transcripts from all previously attended institutions.
2. Eligibility to return to last institution attended.
3. Payment of the \$25 non-refundable application charge.
4. ACT or MSSU placement tests must be taken if no math or English class has been completed prior to enrolling in those classes.

Transfer students who have been awarded a baccalaureate degree from a regionally accredited U.S. college or an accepted foreign equivalent have fulfilled all lower division general education curriculum requirements.

Transfer students seeking admission to Missouri Southern State University from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State University has validated the courses. Applicants must meet the following conditions:

1. The student must be in good standing at the institution from which they are transferring.
2. The student must have a cumulative GPA of 2.0 or higher (on a 4.0 scale) for all work attempted.

3.

Transcripts submitted to Missouri Southern State University become the property of the university and cannot be returned to the student or forwarded to other institutions.

## Determination of Transfer Credit

Transfer equivalencies are determined by the Registrar's Office in conjunction with academic departments through a comparison of course descriptions. If enough similarity exists between a course taken at the transfer institution and a Missouri Southern course, transfer credit will be awarded for the Missouri Southern course. Remedial or support courses transfer to satisfy course prerequisites but do not count toward earned hours or GPA.

In cases where MSSU does not offer an equivalent course, the course will transfer as general elective credit. These courses are identified with the course subject of "ELEC" and a course number designating the level of credit at which the course was taken (100 or 200 = lower division, 300 or 400 = upper division). Courses designated as elective may occasionally be petitioned to count for specific requirements pending further review and department approval. If you have questions regarding the petition process, please contact your academic advisor.

Transfer credits are assigned lower- or upper-level credit based on the level at which the course was taken at the transfer institution, not the level of the course at MSSU. Credits from two-year colleges will be accepted for lower-level credit only. Students may receive course credit for a 300 or 400 level course, but the credit will not count toward the upper division credit required for the baccalaureate degree.

Courses also transfer with the amount of hours the student took at the transferring institution even if the number of hours in an equivalency course at Missouri Southern is different. In a situation where a student originally took a course in quarter hours or a different calendar system than the semester hour calendar a conversation will be done to aware the correct amount of units in semester hours.

### Transfer Articulation Appeal Process:

- Transfer students have the right to appeal course articulation from transferring institutions. If you feel a course has not been given proper credit at MSSU, please contact your academic advisor regarding the appeal process.
- Courses from non-regionally accredited schools may be challenged for credit by completing a General Academic

Petition. The petition must be accompanied with a course syllabus, credentials of the course instructor, and a degree audit. Petitions are routed to the department of the course for review and final determination of credit.

- Courses from regionally accredited schools that have not been articulated for course credit may be challenged for academic credit toward a degree by completing the General Academic Petition. Appeals require approval from both the department of the course and the department of the major.
- Disputes regarding how a course was articulated may be challenged through the appeal process also. The academic department has final determination on course articulation.
- Missouri Southern State University is in accordance with Missouri Law RSMo 178.788 as well as guidelines and best practices set forth by the Missouri Department of Higher Education. For additional information from the Missouri Department of Higher Education regarding course articulation and the appeal process please visit <https://dhe.mo.gov/>. You may also contact us directly at [registrar@mssu.edu](mailto:registrar@mssu.edu) with the subject line "Denial of Transfer Credit".

**Transient Students:** Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the non-degree application form and payment of the \$25 non-refundable application charge. Students wishing to continue course work at Missouri Southern State University must complete the degree seeking admission application and meet admission criteria.

**International Students:** International students (not citizens of the United States) who wish to apply for admission should contact the Admissions Office or access the Admissions website ([www.mssu.edu/admissions](http://www.mssu.edu/admissions)) for the proper application forms and instructions. In addition to the admission credentials required of all students, international students must satisfy these concerns: (a) academic competency (b) ability to read and speak the English language adequately for college level study and (c) ability to finance the cost of education at Missouri Southern. All applicants whose first language is not English must prove English proficiency by showing one of the following: a score of at least 68 on the TOEFL Internet-based test (IBT) with a writing score of 25 or higher, or an IELTS score of at least 6.0 with a writing score of 5.5 or higher and no subject subscore below 5.0, or a Michigan English Placement Test (MEPT) score of at least 85. The Admissions Office must receive all application and accompanied credentials by the following dates:

Fall Semester	July 1
Spring Semester	December 1

The English-proficiency requirement also applies to students who are citizens of the United States and who use English as a second language.

**International English Program:** Students who do not meet the English competency standards on the TOEFL or the Michigan Test are required to take courses in the International English Program (IEP) before they can enroll in college level courses. As prerequisite courses the IEP courses are graded and count as hours enrolled/earned in determining student status.

**Dual Credit/Dual Enrollment:** Dual credit enables qualified high school students to take University-level courses taught by qualified high school instructors. Students simultaneously receive academic credit for the course from both the high school and MSSU. Dual enrollment enables qualified high school students to take University-level courses taught by an MSSU faculty member while simultaneously enrolled in the high school and MSSU. Credit is typically only awarded at the university level; however, students may be eligible to earn high school credit for such courses with approval from the high school district. For more information about the program, students should contact the Office of Academic Outreach, Hearnese Hall room 315, phone 417-625-9785 or 417-625-9731.

## Admission to Selective Programs

**The Health Sciences:** (Nursing, Dental Hygiene, Radiology, Respiratory Therapy): Admission to Missouri Southern does not automatically confer admission to the programs of Nursing, Dental Hygiene, Radiology, and Respiratory Therapy. In addition to meeting the admission requirements for the University, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the specific departments, all located in the Health Sciences Building. Applications should be submitted by January 31 preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admissions Committee of the respective department. See Nursing, Dental Hygiene, Radiology or Respiratory Therapy for full information on admission and acceptance criteria. Additional information is required for admission into the Paramedic program.

**Teacher Education:** Admission to Missouri Southern does not automatically confer admission to the Teacher Education Program. In addition to meeting the admission requirements to the University, candidates interested in the Teacher Education Program are required to apply for admission to the Teacher Education Department. For more details, please go to the MSSU Teacher Education website.

**Social Work Program:** In addition to meeting the admission requirements for the university, candidates interested in the Social Work degree are required to apply for admission to the program. For more details go to the MSSU Social Work website.

**Honors Program:** This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form.

**Special Admission:** A student who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be counted toward a degree until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students who possess a high school diploma or GED may request reclassification by achieving one of the following:

1. Meeting all of the University's admission criteria.
2. Successfully completing 21 hours with a 2.0 GPA.
- 3.

Students without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

**65-Plus Program:** The 65-Plus Program is designed to serve interested individuals 65 years of age and over. Community residents may enroll in a course on a space-available basis without providing previous transcripts (unless a prerequisite must be met). Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment (2 days prior to the start of the term). Information concerning enrollment times, reduced charges and tuition costs can be found in the University schedule. Courses are for audit only. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.

# Campus Card Service Center

Chris Owens

Manager

Billingsly Student Center 109 • 417-659-5463

[lioncard@mssu.edu](mailto:lioncard@mssu.edu)

[mssu.edu/lioncard](http://mssu.edu/lioncard)

Located in the lower level of Billingsly Student Center, the Campus Card Service Center is a convenient location to obtain Lion Card IDs, place value in Lion Bucks debit accounts and obtain parking permits.

## Lion Card

The Lion Card is a single-card solution that serves as MSSU's official MSSU identification and tracks meal plans, as well as providing debit account (Lion Bucks) capability, facility access control and access to campus venues such as the Beimdiek Recreation Center.

In order to take advantage of the debit account capability of the Lion Card, cardholders activate the Lion Bucks account by making their first deposit. Deposit options are:

- Online - Login to LioNet and select the link "Manage My Lion Card".
- By kiosk machine located in the Library. The kiosk only accepts cash and does not give change.
- In person during office hours at the Campus Card Service Center located in Billingsly Student Center room 109 and the Bursar's Office located in Hearn's Hall room 105.

Lion Bucks can be used to purchase goods and services at the following venues:

- MSSU Bookstore
- \*Food Locations: Lion's Den, University Java, Mays Dining Hall, Plaster Coffee
- Willcoxon Health Center
- Office Services printing and shipping
- Printing at open campus computer labs including the Library
- Selected vending machines in academic buildings throughout campus

\*(Account holders receive a 10% discount for using Lion Bucks at these locations)

Complete terms and conditions can be found online at [mssu.edu/business-affairs/lion-card/terms-conditions.php](http://mssu.edu/business-affairs/lion-card/terms-conditions.php).

In addition to Lion Bucks purchases, the Lion Card system controls access to privileges such as: Beimdiek Recreation Center, Willcoxon Student Health Center services and Spiva Library resources.

## Parking Permits

Any motorized vehicle parked at Missouri Southern needs a parking permit. Parking permits are available at the Campus Card Services office or Campus Police office free of charge. Permits are assigned to vehicles and may not be transferred from vehicle to vehicle. Permits do not expire and only need to be updated if you change the license plate, replace the windshield or obtain a new vehicle.

## Discounts

Lion Card holders can receive discounts at many attractions, local and online business. Please refer to [www.MSSU.edu/lioncard](http://www.MSSU.edu/lioncard) for an updated list of discounts..

## Career Services

Alex Gandy

Director

Spiva Library 207 • 417-625-9343

[careerservices@mssu.edu](mailto:careerservices@mssu.edu)

[mssu.edu/student-affairs/career-services](http://mssu.edu/student-affairs/career-services)

## Personalized Assistance

The Career Services Office offers individual appointments to assist in the creation and customization of resumes and cover letters for the job market and assists in the completion of employment and graduate school applications. All services are offered free of charge to MSSU students and alumni. Visit [mssu.edu/career](http://mssu.edu/career) to view a complete schedule of events or to access online resources. The Career Services Office assists students in:

- Choosing a major or career path
- Developing personal career goals
- Preparing for and navigating the job market
- Networking and navigating employment situations

## Online Resources

Visit [mssu.edu/career](http://mssu.edu/career) to access online resources:

- **Hire a Lion:** Online job network designed to connect MSSU students and alumni with employers offering full-time, part-time, internship, and volunteer opportunities.
- **Optimal Resume:** Web-based system designed to assist with the creation of high-quality resumes and cover letters. The mock interview module allows users to view sample interview questions and answers, then record responses for self-critique.
- **Job Shadowing:** The Career Services Office connects students with community professionals to gain first-hand knowledge about career paths and work environments.
- **Mock Interviews:** The Career Services Office offers online and in-person mock interviews to assist students in preparing for a variety of interview scenarios.
- **Career Events:** The Career Services Office hosts a variety of career events throughout the year. Event details can be found online at [mssu.edu/career](http://mssu.edu/career).
- **Southern Leadership Academy:** The Southern Leadership Academy introduces participants to the community and career opportunities while providing professional and leadership development. Anyone who has a genuine interest in community leadership and wants to broaden their scope of knowledge beyond their current level is encouraged to apply for the Southern Leadership Academy. Students interested in applying must be enrolled in a minimum of six hours at Missouri Southern State University and complete the application process. More information and full program requirements can be found at [mssu.edu/SLA](http://mssu.edu/SLA).

For more information on Career Services, check out:  
<http://www.mssu.edu/student-affairs/career-services>

## Student Disability Services

Lori Musser

Coordinator For Student Disability Services

Hearnes Hall • 417-659-3725

[musser-l@mssu.edu](mailto:musser-l@mssu.edu)

[mssu.edu/student-affairs/disability-services](http://mssu.edu/student-affairs/disability-services)

Missouri Southern State University strives to assure that no qualified person with a disability shall, solely by reason of the disability, be denied access to, participation in or the benefits of any program or activity operated by Missouri Southern. Reasonable accommodations are provided to ensure equally effective access to the University. Access can mean many

different things. On one level, we are a "young" campus, our buildings are all accessible. Each building is equipped with automatic door openers, elevators and accessible facilities. Access also applies to what happens in the classroom. Our instructors are committed to a meaningful learning environment for all students. Qualified students with documentation may access services such as note takers, electronic textbooks, testing outside the classroom, sign language interpreters, enlarged materials, assistive technology and equipment, etc.

A student seeking accommodation must make his/her request to the Coordinator for Student Disability Services. Preferably, the student will make this request in person. If it is not feasible for the student to meet in person, the request for accommodation can be made in writing or via electronic mail with appropriate identification. Requests for accommodation made to University personnel other than the Coordinator will not be supported by the Student Disability Services Office.

The request for accommodations should be made far enough in advance to allow for adequate time to respond to the request. The time required to put accommodations into place will vary with the type of accommodation. For example, arranging to take a test in the Student Success Center requires 48 hours notice. Requesting a sign language interpreter should be done at least three months prior to the start of classes to insure the availability of an interpreter. The specific time allowances and how to request different accommodations can be found in the Student Disability Services Policies and Procedures, Procedure 6.00, available from the Coordinator for Disability Services or on the website:  
[www.mssu.edu/student-affairs/disability-services/](http://www.mssu.edu/student-affairs/disability-services/).

All students are asked to provide documentation when requesting accommodations for two reasons (1) To establish that the individual is a person with a disability (2) To determine appropriate accommodations. The documentation must establish that the person has a substantial limitation in a major life activity and is therefore an individual with a disability. Documentation may be required from more than one professional source in order to clearly identify the need for accommodations for individuals with multiple disabilities.

All documentation, regardless of source, should contain the following six essential features:

1. A diagnostic statement identifying the disability, date of the current diagnostic evaluation and the date of the original diagnosis.
2. A description of the diagnostic criteria or diagnostic tests used.



3. A description of how the disability affects one of the major life activities and the current functional impact of the disability.
4. Treatments, medications, assistive devices/services currently prescribed or in use.
5. A description of the expected progression or stability of the impact of the disability over time should be included.
6. Information describing the certification, licensure and or the professional training of individuals conducting the evaluation.

The age of the documentation will vary dependent on the type and nature of the disability. This variance occurs because some disability-related needs are static while others change rapidly. Detailed guidelines for documentation for each area of disability are available from the Coordinator.

The Coordinator shall make determination of reasonable accommodations for students based on appropriate documentation provided by the student. The authority to make such decisions on behalf of the institution has been assigned by the Vice President for Student Affairs.

Once appropriate documentation has been supplied to the Coordinator and the determination has been made that the documentation supports the need for accommodation, the student and Coordinator will draw up an Accommodation Plan. The Accommodation Plan will remain in effect until either (1) the plan's date of expiration passes or (2) the student requests an accommodation not previously listed on the plan. In the event of the second, the Accommodation Plan will be adjusted in accordance with the student's documentation supporting the request.

The student is responsible for notifying faculty of any accommodations that he or she may be accessing in relationship to the faculty member's class. The student will be given a memo from the Coordinator detailing the authorized accommodations.

If the accommodations listed in the Accommodation Plan are not provided or are not effective in providing equal access, the student or faculty member should follow the procedures for filing a grievance listed in Policy and Procedure 9.00. All other issues (i.e. housing, sporting events, facility access, etc.) should follow the grievance procedures outlined in Procedure 9.02. The Grievance Procedures are available from the Coordinator, the Dean of Students, the Vice President for Student Affairs or our website: [www.mssu.edu/student-affairs/disability-services/](http://www.mssu.edu/student-affairs/disability-services/).

## Financial Aid

Becca Diskin  
 Director Of Financial Aid  
 Hearnes Hall 109 • 417-625-9325  
[finaid@mssu.edu](mailto:finaid@mssu.edu)  
[mssu.edu/financial-aid](http://mssu.edu/financial-aid)

## Mission

The mission of the Financial Aid Office at Missouri Southern State University is to make education possible for students who would normally be deprived of a University education because of inadequate funds. Based on the belief that higher education should not be a privilege reserved only for those who can afford to purchase it and that educational opportunities should not be limited by the financial resources of the student and their family, the University will seek out funds making them available to current and prospective students so as to meet their demonstrated academic ability and financial need without regard to race, creed, national origin, age, sex or disability.

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend the University. These funds - from private, institutional, state and federal sources - are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. It should be noted that institution standard requirements must be equal to or greater than federal aid. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in institutional policy and State and Federal regulations.

For applications and detailed information concerning financial aid, view our website at <http://www.mssu.edu/financial-aid/index.php>. There is a wealth of financial aid available in many forms from a variety of sources.

## How to Apply for Financial Aid

1. All applicants must complete the Free Application for Federal Student Aid (FAFSA) and request an electronic Personal Identification Number (PIN) which will be used in processing federal documents. MSSU prefers the electronic application on the Web at [www.fafsa.gov](http://www.fafsa.gov), where you may request a Personal Identification Number (PIN). Likewise, all applicants must have a current e-mail address where financial aid information will be sent. Application deadline for priority processing is April 1; however, all applications will be processed. The FAFSA will generate a Pell Grant, if applicant is eligible and will be used to determine eligibility for student loans, federal work-study and the Access Missouri Program. Students who have not submitted all necessary financial aid documentation by February 1 for the Fall term, November 1 for the Spring term and March 1 for the Summer term are expected to pay their charges in full by the published due date.
2. Applicants selected for verification must provide additional documents requested (such as Federal Income Tax Transcript) to the Financial Aid office. Requested documents must be on file before any aid will be processed.
3. Applicants for PLUS loans must contact the Financial Aid Office for special instructions.
4. Applicants for Foundation Scholarships must complete a scholarship application online by December 15 for the upcoming fall term.
5. Transfer students must request an academic transcript for each college or university previously attended and have it evaluated by the Office of the Registrar so aid can be processed accurately. If a student transfers in the middle of an Aid year, they must request that all remaining financial aid disbursements be cancelled so their aid can be processed at MSSU.
6. Applicants for performance awards should contact the director of the program in which they wish to participate.
7. Applicants for special programs should contact the Financial Aid Office for instructions.
8. All students receiving any type of institutional scholarships or other types of aid processed through the Financial Aid Office must complete the FAFSA each academic year to continue to be eligible for aid.
9. See <http://www.mssu.edu/student-affairs/financial-aid/scholarships/index.php> for more information on MSSU scholarships.

## Repayment Notice for Federal Financial Aid

Students who withdraw prior to the 60% completion of the semester will be subject to repayment of part or all of their aid, as determined by federal regulations. This includes official and unofficial withdrawals stemming from student's last date of attendance prior to the 60% of semester earned. Students will be notified in writing of any amount due as a result of withdrawal. A hold will be placed on the student's account until repayment is made in full.

Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

1. Referral to the federal government for collection.
2. Ineligibility for federal financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

## Policies and Regulations

### Academic Standards: Federal Aid

In order to remain eligible to receive Title IV Funding\*, a student must be making satisfactory academic progress. Grade-point average, pass rate, and the time frame that a student takes to complete a normal educational degree program are factors which must be evaluated when measuring satisfactory academic progress.

\*Title IV funds consists of Federal Pell Grant, Federal College Work-Study, Federal Direct Subsidized and Unsubsidized Stafford Loans, Federal Perkins Loan, Federal SEOG, Federal TEACH Grant, and Federal PLUS Loans. Most State Aid Programs also require satisfactory academic progress.

Students must maintain a 2.0 cumulative GPA (3.0 if pursuing a Master's degree) and successfully complete 67% of the courses they have attempted to remain eligible for federal financial assistance. Attempted hours include hours earned, hours transferred in from other schools, hours which are attempted at another institution which are not transferable, hours withdrawn, hours audited, repeated courses, failed courses and pass/fail credit courses. Successful completion is defined as the absence of failing grades and voluntary or involuntary withdrawals. Satisfactory academic progress is monitored on a semester basis. Students who fall below the

required 2.0 cumulative GPA at 60 attempted hours and/or the 67% completion rate lose eligibility for federal financial assistance the following term. Students may be granted a one semester warning period. At the end of the warning semester, the student must meet the cumulative grade point and credit hour completion requirements based upon hours attempted and earned, in order to avoid being placed on financial aid suspension.

Students who fail to make progress during the warning period will be ineligible to receive federal financial assistance until the student obtains the required 2.0 GPA and 67% course completion rate. Students who successfully complete a plan of study will remain eligible for financial assistance as long as they do not withdraw from classes and continue to pass all coursework with a grade of 'C' or higher (or maintain required GPA), and improve completion ratio. Should a student's instructor report that a student has never attended or has stopped attending a course while the student is on warning, the student is no longer eligible to receive federal financial assistance.

Although students will be notified in writing should they fall below satisfactory academic progress standards, it is the student's responsibility to know their academic standing in regards to this policy. Failure to receive notification does not dispute or reverse the termination of a student's eligibility to receive financial assistance.

In addition, the federal government requires an institution to establish a time frame in which a student must complete their degree program. Undergraduate students seeking an associate's degree must complete their program within 93 attempted hours. Students seeking a baccalaureate degree must complete their degree program within 180 attempted hours. Students seeking a certificate must complete their program within 150% of the required credit hours needed. Students pursuing a master's degree must complete their program within 54 attempted hours. Students are no longer eligible for aid when they reach the hour limit.

Once an institution is aware that a student cannot complete their degree program within the established time frame, the student is no longer eligible to receive federal financial assistance. Students approaching the maximum time frame (160 attempted hours for baccalaureate students) are required to submit a Plan of Study Form to the Financial Aid Office. Financial assistance will be delayed until this form is reviewed and it is determined that the student can complete their program of study before exceeding the maximum limit.

Students may submit a written appeal to the Financial Aid Office if there are documentable extenuating circumstances that caused the student to not meet the required satisfactory academic progress standards. Appeals may be submitted online or in writing with documentation to explain the validity of the appeal and circumstances which caused the student to not meet the required standards.

## Other Duties and Responsibilities of Financial Aid Recipients

Missouri Southern operates on a financial aid database system which processes applications and awards electronically. It is to the applicant's advantage to use forms and applications which are capable of processing data electronically. The electronic system requires student signatures or electronic use of Federal Personal Identification Numbers (PINs) so they can update application data, sign promissory notes, perform entrance counseling and exit counseling and make corrections. "S" IDs and Passwords to access LioNet are used to view billing, requested documentation, award acceptance and financial aid messages before funds can be processed. In addition, students must maintain a current email address and monitor it for requested documentation, award information, notices and correspondence from the Financial Aid Office.

Students must report the following changes to the Financial Aid Office:

1. withdrawal from all classes during a semester,
2. added or dropped classes during the semester,
3. a name change,
4. change of address or email address or change of parents' address,
5. transfer to another college.

Financial aid funds will be credited to the student account. Once all direct university costs have been satisfied, balance funds will be disbursed to the student starting with the end of the third week and every week thereafter throughout the semester.

MSSU offers two options for students interested in working on-campus: work-study student employment and regular student employment. Students seeking on-campus employment should contact the Student Employment office in Hearnese Hall, or visit MSSU.edu and search "Hire a Lion".

**Veteran Services:** Military Service Members, Veterans and Dependents wanting to use their VA Education Benefits must sign up prior to or at the beginning of each semester. The Veteran Services Office is located in the Financial Aid Office. Students can send inquiries to [veterans@mssu.edu](mailto:veterans@mssu.edu) or review the webpage [www.mssu.edu/veterans](http://www.mssu.edu/veterans) for additional information.

## First-Year Experience

Teresa Thompson

Director

Hearnes Hall 315 • 417-625-9731

[fye@mssu.edu](mailto:fye@mssu.edu)

[mssu.edu/student-affairs/first-year-experience](http://mssu.edu/student-affairs/first-year-experience)

## Philosophy Statement for the First-Year Experience

Missouri Southern State University is committed to making the first year of college a success for each student. This ideal is translated into action by fostering five integrated components:

- a smooth transition into university life;
- a sense of shared responsibility;
- a challenging and stimulating learner-centered academic environment;
- a sense of inclusive community;
- a comprehensive support program of personnel and resources.

The University facilitates the transition to higher education from diverse life experiences and develops lifelong learners for intellectual, cultural and social exchanges. The responsibility for student learning is shared by all members of the campus community. The University's liberal arts foundation prepares students to become knowledgeable, critical thinkers who can meet the challenges and responsibilities facing global citizens. Missouri Southern fosters a sense of community, campus spirit and support for its first-year students by promoting connections with faculty, administrators, support staff and peers. Continuous quality assessment of each of the components is conducted so that necessary changes are implemented to maximize the first-year experience.

Missouri Southern's philosophy for the first-year experience is put into action in numerous ways. The faculty and staff members bring the philosophy to life by their friendly and helpful approach to students. First-year students have opportunities to participate in activities and events designed to introduce them to others and campus life.

The First-Year Experience Program has been established to help achieve the goal of beginning-student success through several avenues, including offering the UE 0100 The University Experience course for all beginning students, Learning Communities, the Common Reading Program and the UE 0400 Leadership Training I and UE 0401 Leadership Training II courses for course assistants.

UE 0100: The University Experience is a fundamentals course designed to assist first year students in successfully defining themselves both as active participants in the MSSU community and as citizens of a twenty-first century global community. The course offers information on university personnel, facilities, services, policies, study skills and MSSU's international mission and international study opportunities. Student participation in co-curricular activities is required. The course is taught by an instructor with the assistance of a course assistant. The course assistant serves as an example and a resource for the first-year students.

## Learning Communities

A Learning Community is a group of courses that students take together. Learning Communities are comprised of a University Experience 100 course (required for all first-year students) and one general education or major requirement course. In addition to attending classes, students enrolled in a Learning Community also participate in social activities together. Being a part of a Learning Community is a great way to make friends and form study-groups with like-minded students.

## Course Assistant Program

Course Assistants (CAs) are upper-level students who share their insights and experiences with entering students in the University Experience class. Their recent experiences and success in the academic environment make them effective models. Upper-level students apply for the assistant role and receive training through UE 0400 Leadership Training I/UE 0401 Leadership Training II.

# Intercollegiate Athletics

Jared Bruggeman

Athletics Director

North Endzone Facility 212 • 417-625-9317

Tonya Nickle - NCAA Compliance Officer

The purpose of the Missouri Southern Athletics Department is to empower student-athletes with the confidence and ability to succeed in life as well as on the playing field. The Athletics Department feels its most important responsibility is to assist its student-athletes in reaching their highest potential as they strive for excellence academically, athletically and socially within a diverse and challenging society.

We are proud to be NCAA Division II members. The Division II membership as a whole prides itself on finding balance in the world of collegiate athletics. Student-athletes in the Division II ranks can compete at very high levels athletically, but more importantly are encouraged to fully apply themselves toward getting a quality education and ultimately a college degree.

In addition to being an NCAA Division II member, Missouri Southern participates in the Mid-America Intercollegiate Athletics Association. We annually enroll nearly 350 student-athletes and our university teams compete on the intercollegiate level in baseball, basketball, cross country, football, golf, soccer, softball, track & field and volleyball.

Collegiate athletics in general receives tremendous media coverage and public attention. We in the Missouri Southern Athletics Department intend to use this public stage to bring positive attention to Missouri Southern State University as a whole. We will accomplish this goal by being active in our community, by engaging our community and fans by competing with tremendous effort on our fields of play and by encouraging our student-athletes to conduct themselves with Lion Pride.

## NCAA Student-Athlete Affairs

The mission of the NCAA is to maintain intercollegiate athletes as an integral part of the campus educational program and the athletes as an integral part of the student body.

The NCAA Student-Athlete Affairs unit provides life skills support in the areas of academics, athletics, personal development, career development and service through the distribution of accessible resources, strategic partnerships and

customized programming. Student-Athlete Affairs programs, resources and events are designed to promote the well-being and development of student-athletes and to provide on-going education and training to athletics professionals who identify and serve student-athlete needs.

## Missed Class Policy Due to Athletic Events

Whenever possible, athletic events should be scheduled to avoid missed class time by student-athletes. If a class must be missed due to an athletic event, the student-athlete is expected to inform the instructor(s) in advance and is responsible for all information, tests, materials and assignments missed. Student-athletes are expected to complete assigned work prior to departure for competition, unless the instructor has agreed to other arrangements. Student-athletes should make all efforts to avoid other absences.

## Scheduling of Nonconference Competitions During Finals Week

No nonconference competitions, excluding postseason/championship competitions, shall be scheduled during Finals Week. Exemptions to this policy will be considered by the Intercollegiate Athletics Committee (IAC). The Athletic Director will present the case for proceeding with the exemption. The IAC will make the final decision on the exemption.

**Student-Athlete Success Program**  
**Hearnes Hall, 417-625-9324**

## Academic Excellence

The top priority of Missouri Southern is that all student-athletes obtain a well-rounded education and earn an undergraduate degree. The Student-Athlete Success Program academic counseling unit is located within the office of Advising, Counseling & Testing Services (ACTS).



## Goal

Our goal is to maximize academic potential by providing an atmosphere that enhances: learning skills, career development and personnel counseling. Each student-athlete is held accountable for his/her academic performance. The ACTS staff will work hard to provide support needed for athletes to be successful students.

## Ongoing process includes:

- Monitoring and reporting on academic and eligibility progress hours
- Assisting in the registration of freshman and sophomore athletes
- Referring student-athletes for tutoring, counseling or other academic assistance
- Helping student-athletes to maintain a balance between personal, scholastic and athletic lives.

These services are intended to help student-athletes reach their goals by providing the information and guidance that will enable them to use existing campus resources to enhance their academic performance.

## Recreational Services

Landon Adams  
Director of Campus Recreation

Steven Benfield  
Director  
Billingsly Student Center 241 • 417-625-9760

Cindy Webb  
Director of Fitness  
Billingsly Student Center 241 • 417-625-9878

[mssu.edu/student-affairs/student-life/recreation](http://mssu.edu/student-affairs/student-life/recreation)

The Department of Recreational Services is comprised of six program areas under the Division of Student Affairs. The purpose of Recreational Services is to provide a wide variety of fitness, wellness, recreational, outdoor and sport related activities to the university community. The Campus Recreation Program offers activities for students, faculty, staff and their families. Recreational Services also offers activities on various days and times in an attempt to meet the needs of traditional and non-traditional students. Recreational Services conducts programming in the following areas: Intramural

Sports, Wellness, Fitness, Aquatics, Outdoor Adventures, Open Recreation and Special Events.

## Prevention Outreach

Missouri Southern actively participates in the statewide coalition Partners in Prevention (PIP). PIP's mission is to create a campus, city and state environment that supports responsible decision making in regards to alcohol by the college students who attend the public higher education institutions in the state of Missouri. PIP's focus is on decreasing at-risk drinking by students on Missouri's college and university campuses.

## Registrar

Cheryl Dobson  
Registrar  
Hearnes Hall 101 • 417-625-9515  
[registrar@mssu.edu](mailto:registrar@mssu.edu)  
[mssu.edu/student-affairs/registrar](http://mssu.edu/student-affairs/registrar)

## Mission

The Office of the Registrar vows to uphold the integrity of student records as required by university, state, and federal requirements on a fair and consistent basis using best practices as recommended by the American Association of Collegiate Registrars and Admissions Officers.

The mission is fulfilled by providing quality and efficient record support services to faculty and staff, prospective, current and former students, and members of the community in an ethical and honorable manner as directed by the University's mission.

Student learning and engagement is reinforced through the expectation of adherence to established university policies and procedures in order to promote responsible citizenship.

# Family Educational Rights & Privacy Act (FERPA) 1974

## Notice of Student Rights and Responsibilities

The Family Educational Rights and Privacy Act of 1974, as amended (also referred to as the Buckley Amendment), is a federal law regarding the privacy of student educational records and the access provided to these records. Any educational institution that receives funds under any program administered by the U.S. Secretary of Education is bound by FERPA requirements.

## What Are Educational Records?

Under FERPA, educational records are defined as records that are directly related to a student and are maintained by an institution or by a party acting for the institution. Educational records can exist in any medium, including: typed, computer generated, videotape, microfilm and email, among others.

- The law applies to all students in higher education, regardless of age, once they begin attending classes. The law continues to apply to students even after they have graduated, but ceases to apply upon the death of the student.
- The University will not release information, other than directory information, from a student's educational record without the student's prior written consent, except to authorized persons and organizations. Even parents are not permitted access to their child's educational records unless the student has provided written authorization permitting access.
- Authorized persons and organizations are those who have a legitimate educational interest.
- A legitimate educational interest means that the person or organization is required to perform certain duties and these duties involve the use of student data.
- Authorized persons include employees of Missouri Southern State University (including but not limited to: staff, instructors, advisors, and campus police), third parties with a legitimate educational interest, the U.S. Department of Education and other education authorities carrying out official duties, as well as financial aid lenders. Also included are organizations which MSSU has

contracted as agents of the University. An example is the National Student Clearinghouse.

- There are exceptions to the rule of non-disclosure, which involve health and safety. This means that to prevent sickness, injury or death, the University may disclose information usually held to be protected. Also, an agent of the court with a properly issued court order or subpoena may receive student data, though we will first attempt to notify the student before complying with the subpoena.

## Directory Information

Directory Information at MSSU may be made available to the general public unless the student completes a Privacy Request form in the Office of the Registrar. In the case of a Privacy Request, the University will not release any information, even directory information. This restriction does not apply when providing information to those who have a legitimate educational interest.

## The following is considered Directory Information:

Student's name, student identification number, address, university email address, telephone listing, photograph, major field of study, year in school, grade level, dates of attendance, enrollment status (full-time or part-time), degrees, honors and awards received, participation in officially recognized activities and sports, appropriate athletic statistical data, most recent previous educational agency or institution attended and next of kin or spouse (emergency only).

## STUDENTS HAVE CERTAIN RIGHTS UNDER FERPA, THESE INCLUDE:

- The right to inspect and review their educational records within 45 days of a request for access. Students should submit to the Registrar a written request that identifies the record(s) they wish to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. The institution may refuse to provide a copy of a student's education record provided such refusal does not limit access.

- The right to request the amendment of education records that the student believes are inaccurate. The student should write the University Registrar, clearly identify the part of the record they want changed and specify why it is inaccurate. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
- The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.

Limitations exist on students' rights to inspect and review their education records. For example, the institution is not required to permit students to inspect and review the following:

- Records which do not contain educational information or do not fall into the category of educational records because of how they are maintained.
- Financial records of parents.
- Confidential records placed in education records prior to 1975 if they are used as intended.
- Confidential recommendations or receipts of honors if the student has waived the right of access to such information.
- Documents containing information on more than one student.

Please refer to the Academic Information section for academic policies.

## Residence Life

Josh Doak

Director of Residence Life

Mayes Student Life Center 102 • 417-659-4460

Residence Life Office • BSC 347 • 417-625-9522

[residencehall@mssu.edu](mailto:residencehall@mssu.edu)

[mssu.edu/student-affairs/residence-life](http://mssu.edu/student-affairs/residence-life)

The Missouri Southern on-campus residence requirement is as follows: "All freshmen under the age of 21 are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married or live with their parents."

The University provides air conditioned residence hall accommodations and meals for over 900 students. Concerned with the total needs of the students, the University maintains a safe and comfortable place to live and an adequate physical

environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by three full-time professional resident directors and 24 paraprofessional resident assistants. The programming body for resident students is the Residence Hall Association (RHA) which provides educational, social and athletic programs.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV, and Internet access are available in every room. To apply for a room in a University residence hall, a prospective student may complete an Application Contract for Room and Board and pay the \$150 deposit through Lionet on the MSSU website. The completed contract MUST be submitted with a \$150 security deposit. The deposit is retained by the University as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form. Contracts for room only are not available.

The University is not responsible for the loss of or damage to any personal property of students.

Accessible residence hall rooms are available for students with disabilities. In addition, the Dianne Mayes Student Life Center and the dining hall are accessible. Specific accommodation needs can be met upon request. If you need accessible housing, please fill out the appropriate section on the application contract. If you have questions about accessible living, please contact the Director of Residence Life (417.659.4460) or the Coordinator for Disability Services (417.659.3725). For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Residence Life Office.

## Mayes Student Life Center

The Dianne Mayes Student Life Center is comprised of the Mayes Dining Hall on second floor and social and recreational amenities on first floor for Missouri Southern students, faculty and staff. Mayes Dining Hall operates on funds received from board payments from residence hall students and cash sales for individual meals. The 1st floor amenities, include a large

television lounge/meeting room, an aerobics room, air hockey table, computer lab, table tennis, video game stations, billiards, game tables and a study area. A laundry facility is also located on first floor that's exclusively for residence hall students to utilize.

For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Mayes Student Life Center Office, Room 101, Mayes Student Life Center (417-659-4461).

## Billingsly Student Center

Jack Berry  
Supervisor - BSC Events  
For Reservations Call  
Dianne Vlasin 417-625-9346

The Billingsly Student Center (BSC) is centrally located to provide convenient access to student services and facilities. The Recreational Services Office oversees reservations of the buildings, meeting rooms, equipment, lounges, the Connor Ballroom, Phelps Theatre and the Lion's Den. Reservations can be made for departmental use, student organizations and off-campus meetings for events held in the Student Center. BSC is home to the Beimdiek Recreation Center, a 60,000-square-foot fitness center that includes a 3-court gymnasium, an elevated jogging track, two fitness areas with free weights and cardio/weight machines, two studios for fitness classes, a fitness testing center, locker rooms and a 150 seat theatre. The Willcoxon Health Center helps to provide the medical needs for students and includes exam rooms, a procedure room, nurses station, and laboratory. The University Bookstore, the students' source of rental and purchase textbooks, classroom materials, campus clothing and gift shop. The Campus Card Services Center and Ticket Office handles ticket sales for both on-campus and off-campus activities and entertainment. The Lion's Den Food Court, serving breakfast and lunch, offers a variety of foods and beverages for every appetite. There is also a large lounge perfect for studying and watching TV.

## Student Activities

Craig Gullett  
Assistant Director Of Student Activities  
Billingsly Student Center 210  
417-625-9320

**Student Activities Office** Campus activities are scheduled in the Student Activities Office. The office also oversees the 70+ recognized student organizations, assists students in organizing or re-instituting student organizations and produces and promotes various special events. The Student Activities Office also approves all forms of advertising for on-campus bulletin boards. [mssu.edu/student-affairs/student-life/student-activities](http://mssu.edu/student-affairs/student-life/student-activities)

**Campus Activities Board (CAB)** The Campus Activities Board, a student organization supported by a student activity charge, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on CAB committees that assist in planning concerts, family events, novelty events, lectures, special events and public relations. Interested students are encouraged to attend the weekly meetings or stop by the Student Activities Office. [mssu.edu/student-affairs/student-life/student-activities/board.php](http://mssu.edu/student-affairs/student-life/student-activities/board.php)

**Greek Life** Greek Life at Missouri Southern is an exciting philanthropic and social opportunity. MSSU has two sororities: Alpha Sigma Alpha and Zeta Tau Alpha and three fraternities: Kappa Alpha order, Kappa Sigma and Sigma Pi. Main recruitment for these groups are in the beginning of the fall semester but many do continue throughout the year. Go Greek! [mssu.edu/student-affairs/student-life/student-activities/greek-life-welcome.php](http://mssu.edu/student-affairs/student-life/student-activities/greek-life-welcome.php)

## Student Health Services

Julie Stamps, APRN-BC, FNP  
Director of Willcoxon Health Center  
Billingsly Student Center 242  
417-625-9323 [mssu.edu/student-affairs/willcoxon-health-center/](http://mssu.edu/student-affairs/willcoxon-health-center/)

The Willcoxon Health Center is an acute care clinic that requires an appointment. Students must be enrolled in current semester to use services at the Health Center. Services offered include: care for acute illness, tuberculosis (TB) testing, women's health, STI screening, physical (daycare, nursing & dental hygiene program), some vaccinations like flu shots, titers, travel consultations and more. Call the office or visit our website for more information on services, university medical requirements and to download forms for medical history and records release. [www.mssu.edu/health](http://www.mssu.edu/health)

Appointments are included in student charges, but there is a charge associated with some services: vaccinations, blood tests, work/school physicals, women's health, STI screening, etc. The Willcoxon Health Center is staffed with one full-time nurse practitioner and a registered nurse. The University physician is available for appointments on campus two times a month. Recommendation and referral to community or campus resources are also part of student health services. Students who have health insurance are advised to have a copy of their insurance card and know which hospital is in network. Joplin has 2 hospitals: Freeman and Mercy. Call the toll free customer service number on your insurance card and ask which hospital is in network for Joplin, Missouri.

If you go out of your network, you will often pay more. This will help you know where to seek treatment in case of emergency or for primary care/specialists. For chronic health conditions and certain prescriptions, it is recommended you establish care with a primary care physician in Joplin. If uninsured, contact the Willcoxon Health Center for a list of community resources.

Office hours are Monday-Friday from 8am-11:30am & 12:30pm-5pm. Summer hours vary and the campus is closed on Fridays.

## Communicable Diseases and Requirements

Students must submit proof of immunization, including two doses of Measles/Mumps/Rubella (MMR) vaccine and a TB screening questionnaire and/or testing within the last year. A TB questionnaire is available on LioNet and must be completed each semester. If student has no proof of two MMR vaccines, a titer can be drawn at the student's expense to test immunity or the student can bring proof from another source to present to the health center. These records are to be kept on file in the Willcoxon Health Center. The state of Missouri requires all university-owned housing students to also receive the meningococcal vaccine (for meningitis) The only exception is a medical or religious exemption. Please contact the health center about details for exceptions. In the instance of an outbreak of a communicable disease on the MSSU campus by a student, faculty or staff member, the University physician and the Director of the Health Center will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not provided proof of immunity to the Willcoxon Health Center may be restricted from University property in the event

of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the University community.

## Student Policies

Landon Adams  
Director of Student Life and Conduct  
Billingsly Student Center 347D  
417-625-9531

## Student Conduct

In order to provide the best possible environment for personal and intellectual growth, the University has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which is available online.

## Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State University has established a drug and alcohol prevention program for its students. The University's program is as follows:

**Tobacco Free Campus Policy:** In keeping with the mission and values of Missouri Southern State University and out of respect to students, employees, visitors, and the environment it is the policy of Missouri Southern State University to prohibit smoking, the use of smokeless tobacco product and nicotine delivery devices in facilities, grounds, property, and vehicles owned, leased, or controlled by the university.

Products subject to this policy include, but are not limited to: cigarettes (traditional or electronic), cigars, pipes, hookah, smokeless tobacco (chewing tobacco or snuff), other tobacco administering products, and other products containing nicotine (excluding Nicotine Replacement Therapy).

It is the responsibility of all administration, faculty, staff and students to abide by the university's tobacco policy.

Employees and students are encouraged to communicate this policy with courtesy, respect, and diplomacy, especially with regards to visitors. Any individual willfully ignoring this policy is subject to discipline by and under University



policies. Offenders are subject to discipline appropriate to their status, e.g. students are subject to the student discipline process as outlined in the student handbook and faculty/staff are subject to discipline from their appropriate supervisor and held to established administrative policies regarding conduct. Guests or visitors that repeatedly violate the policy may be asked to leave campus. Those with questions, concerns, or complaints related to this policy may contact Landon Adams, Director Student Life and Conduct, 417-625-9531.

**Substance Abuse Policy:** Students are prohibited from using alcoholic beverages and illegal drugs on University-owned or controlled property and at University-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State University found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this University will be subject to discipline in accordance with University policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

**Health Risks:** Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

**Alcohol and other depressants (barbiturates, sedatives & tranquilizers):** addiction, accidents as a result of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

**Marijuana:** addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

**Cocaine:** addiction, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

**Hallucinogens (acid, LSD, PCP, MDMA, etc.):** unpredictable behavior, emotional instability, violent behavior organic brain damage in heavy users, convulsions, coma.

**Narcotics (heroin, Demerol, morphine, Codeine, etc.):** addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

**Inhalants (gas, aerosols, glue, nitrites, etc.):** loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

**Methamphetamines:** addiction, irritability, sleeplessness, nervousness, sudden weight loss, pungent body odor, protrusion of eyes.

**Resources:** A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the Student Handbook. For more detailed information concerning these resources and others available from the University and/or community agencies, students may contact the ACTS-Advising, Counseling and Testing Services (417.625.9595) or the Student Services Office (417.625.9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshmen, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or non-use of alcohol/drugs and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including KINE 0103 Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.

The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Advising, Counseling and Testing Services, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

# Equal Opportunity

In accordance with federal law and applicable Missouri statutes, it is the University's policy not to discriminate in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its educational programs and activities on the basis of age, gender, color, race, religion, disability, veteran's status, national origin, ancestry or any other protected characteristic as established by law.

**Anti-Harassment Policy:** Missouri Southern State University is committed to fostering a working and learning environment where all individuals are treated with respect and dignity. It is and continues to be, University policy that harassment of employees, applicants or students in unacceptable conduct will not be tolerated.

Harassment is written, verbal or physical conduct that degrades or shows hostility or aversion toward an individual because of his/her race, color, ancestry, religion, gender, age, national origin or disability that (i) has the purpose or effect of creating an intimidating, hostile or offensive work or learning environment; (ii) has the purpose or effect of unreasonably interfering with an individual's work or academic performance; or (iii) otherwise adversely affects an individual's employment or academic opportunities.

Harassment could also be sexual in nature. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature when any one of the following occurs: (i) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education; or (ii) submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting such individual; or (iii) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creates an intimidating, hostile or offensive working or learning environment.

Any employee, student or applicant for employment or admission who feels that he or she has experienced or observed harassment by an employee of the University should report such incidents to his or her supervisor or to the Director of Human Resources without fear of intimidation or reprisal. Harassment complaints against students should be reported to the Dean of Students.

The University will promptly investigate all allegations of harassment in as confidential a manner as possible. The

University will also take appropriate action to ensure that neither inappropriate language, nor conduct, nor sexual harassment persists.

## Student Senate

Billingsly Student Center 347  
417-625-9392      [mssu.edu/student-affairs/student-senate](http://mssu.edu/student-affairs/student-senate)

The Student Senate serves as the governing body for students and acts as a liaison between faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of elected senators from each class and the executive officers. The Student Senate is funded from student activity charges. Students wishing to speak with a Senate representative may do so via the Student Affairs Office.

## Student Success

Julie Wengert  
Dean of Student Success & Support  
Billingsly Student Center 347D  
417-625-9532

Our mission is to retain students through the completion of their baccalaureate degree by providing programs that assist them in their academic success. This is accomplished by coordinating retention activities; supporting and monitoring students' academic progress; coordinating with academic advisement units; providing connections to campus resources and support services; and coordinating programs that foster the academic success of all MSSU students.

## Student Success Center

Stephanie Hopkins  
Director  
Hearnes Hall 301 • 417-659-3725  
[www.mssu.edu/student-success-center](http://www.mssu.edu/student-success-center)

## Vision

The Student Success Center strives to enhance the mission of Missouri Southern State University by further developing, expanding, and articulating its support services for students. We will foster the potential of each student by providing College Academic Skills, Student Disability Services, Tutoring and the Tutor Training course. Additionally, the Student Success Center endeavors to increase the visibility of its services through greater participation by students and the campus community as a whole.

**College Academic Skills** - A course designed to develop and strengthen an understanding of student responsibility, goals and attitudes necessary for the successful transition to college. Active learning through critical thinking, reading and writing to support academic success at the University level will be practiced. Students will identify learning styles and strengths and weaknesses associated with their learning processes.

**Tutor Training** - Provides tutors with an educational foundation of the methods and techniques needed to tutor students in a higher education setting.

**Tutoring in Content Areas** - Peer tutors are available. Tutoring is available on a drop-in basis or by appointment. Both short and long-term assistance is provided.

**Writing Studio Services** - Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation and correct mechanics.

**Computer Lab** - The Student Success Center offers a networked computer lab with Microsoft Office programs and Internet access.

**Services for Students with Disabilities** - The Student Success Center is the designated office on campus for the provision of academic accommodations for students with documented disabilities. Students who wish to request accommodations should begin the process by contacting the Office of Student Disability Services, located in the Student Success Center. Students are responsible for providing documentation and initiating the request for accommodations.

## Trio Programs

Talent Search • Project STAY • Upward Bound

## Talent Search

Jim Kimbrough

Director

Mills-Anderson Justice Center Room 20 • 417-659-5440  
mssu.edu/student-affairs/trio/talentsearch

### Mission

To encourage students in grades 6 through 12 and those who have never completed high school to graduate from a secondary program and enter a postsecondary program of study.

Talent Search is a federally funded program designed to identify qualified students with potential for success at the postsecondary level and encourages them to complete secondary school and enroll in a program of study after high school. Services provided through the program include: group and one-on-one tutoring, travel to area cultural events, visits to area college and university campuses, information on and assistance with college admissions applications and financial aid information, academic advising and assistance with choosing courses to prepare you for education after high school, information and assistance with college entrance exams including the ACT and SAT. The project serves 550 students. To qualify for services, students must be U.S. citizens, between the ages of 11 and 27 and completed the fifth grade. A veteran, regardless of age, may participate if otherwise eligible. Services provided by Talent Search are free to students and parents/guardians. For more information or an application, call the Talent Search office at 417-659-5440.

## Project Stay

Debbie Fort

Director

Hearnes Hall 308 • 417-625-9830

projectstay@mssu.edu

mssu.edu/student-affairs/trioproject-stay

### Mission

"To identify and provide comprehensive resources to ease student transitions into and through college and on to graduate education and professional life."

Project Stay is a federally funded Student Support Services grant program designed to identify and support qualified students, specifically first-generation, low-income, and disabled students. Project Stay provides individualized services to students in the program to determine a student's needs and goals and develop a plan of success. Services provided include: academic advising, priority enrollment, career and personal counseling, one-on-one tutoring, job shadowing, financial aid and scholarship application assistance, peer mentoring, monthly educational workshops, assistance with applying to graduate school and travel to area cultural sites. All services are provided free of charge to students accepted into Project Stay. The Project serves 175 students. To qualify, students must be either first-generation college students (neither parent has a bachelor's degree), meet an income guideline or be a student with a disability. To get more information or an application, call the Project Stay office at 417-625-9830.

## Upward Bound

Robin Hicklin

Director

Mills-Anderson Justice Center Room 19 • 417-625-9880  
mssu.edu/student-affairs/trio/upward-bound

Upward Bound is a federally funded program designed to help students gain the skills necessary to persist through high school and on to post-secondary education. Some of the services provided by Upward Bound include a six-week summer College Simulation Experience, monthly Saturday "Focus On" meetings, academic tutoring for current classes, opportunities to shadow student and professional mentors and field trips to area college campuses and cultural sites. The services provided by Upward Bound are free to students and parents/guardians. For more information, please contact the Upward Bound office at 417.625.9880.

## University Dining Services

Gary Griffith

Director of Dining Services

Billingsly Student Center 208 • 417-625-9546

mssucatering@freshideasfood.com

Food service is bid by the University and handled by a professional food service company (Fresh Ideas). The dining hall operates on funds received from board payments and cash

sales of individual meals.

All residence hall students must contract for board. Board contract includes a choice of three meal plans. Individual meals feature salad bar and unlimited servings, including entrées.

Commuter students interested in taking some or all of their meals at the University Dining Hall may purchase meal plans in the University Bursar's Office. Also, Lion Bucks are available for purchase in the One Card Office in Billingsly Student Center.

The Lion's Den food court, located on the 2nd floor of Billingsly Student Center, offers a variety of food options for students. University dining service also features a gourmet coffee shop, University Java, located on the lower level of the Spiva Library.

## University Police Department

Ken Kennedy

Chief, University Police Department

417.625.9741

mssu.edu/police

## Policies Concerning The Law Enforcement Authority of Campus Security Personnel

The University Police Department (UPD) is responsible for campus safety at the University. Its jurisdiction covers all campus property. Its personnel have arrest authority. The UPD has a close working relationship with local law enforcement agencies, including the Joplin Police Department and Jasper County Sheriff's Office, which assist the UPD when necessary. The UPD has mutual aid agreements with the Joplin Police Department, the Jasper County Sheriff's Office and other small city agencies (Duquesne, Webb City, & Carterville). The UPD is a member of the Tri-State Major Case Squad and may call for investigators to assist with investigations of serious crimes.

All crimes occurring on campus should be reported immediately to the UPD. Officers are available on campus 24 hours of every day and are primarily dispatched by the JPD Communications Center. The emergency number to reach

them is 911 or 417-623-3131 when a police officer is needed, but it's not an emergency. The number 417-626-2222 may still be called for service requests, such as unlocks, jump starts, etc.

## Other Officials to Whom Crimes May Be Reported

MSSU also has designated other officials to serve as additional campus security authorities. Reports of criminal activity can also be made to these officials. They in turn will ensure that they are reported to the UPD for collection as part of the University's annual report of crime statistics. These additional campus security authorities are: Vice President of Student Affairs (Darren Fullerton, 417-625-3135), Student Conduct (Landon Adams, 417-625-9531), Title IX Coordinator (Julie Wengert, 417-625-9532) and the Director of Residence Life (Josh Doak, 417-659-4460).

## Policies on Reporting a Crime or Emergency

The University encourages accurate and prompt reporting of all criminal actions, accidents, injuries, or other emergencies occurring on campus to the UPD and appropriate police agencies even when the victim of a crime elects not to do so or is unable to make such a report. Such reports should be made as follows:

Situations that pose imminent danger or while a crime is in progress should be reported to the University Police Department (911 for emergency, 417-623-3131 for non-emergency) from any campus phone or cell phone. Although the UPD officers have primary jurisdiction, it does not preclude calling the Joplin Police Department (also 911) and the Jasper County Sheriff's Office (417-624-1600) in crisis situations. Keep in mind that the individual making the call from a cell phone will need to provide the address where the emergency has occurred. After making the call, also make a report to one of the campus security authorities identified above.

Students, staff, and visitors should report criminal actions, accidents, injuries, or other emergency incidents to one of the campus security authorities identified above. Once reported, the individual making the report will be encouraged to also report it to appropriate police agencies. If requested, a member

of the University staff will assist a student in making the report to the police.

Anonymous incident reports can also be made.

UPD will protect the confidentiality of victims. Only those with a need to know the identity for purposes of investigating the crime, assisting the victim or disciplining the perpetrator will know the victim's identity. Moreover, the University will withhold the identity of victims in publicly available records, to the extent permitted by law.

Any victim of a crime who does not want to pursue action within the University disciplinary system or the criminal justice system is nevertheless encouraged to make a confidential report to a campus security authority. With the victim's permission, a report of the details of the incident can be filed without revealing the victim's identity. Such a confidential report complies with the victim's wishes, but still helps the University take appropriate steps to ensure the future safety of the victim and others. With such information, the University can keep an accurate record of the number of incidents involving students, determine where a pattern of crime may be developing and alert the community as to any potential danger. These confidential reports are counted and disclosed in the annual crime statistics for the University.

Counselors with the ACTS Office are encouraged, if they deem it appropriate, to inform the persons they are counseling of the procedures to report crimes on a voluntary, confidential basis for inclusion in the annual report. Information will not be reported by counselors in the ACTS Office to the Dean of Students for a Title IX investigation without the consent of the person being counseled.

Additionally, upon written request, the University will disclose to the alleged victim of a crime of violence (as that term is defined in Section 16 of Title 18, United States Code), or a non-forcible sex offense, the report on the results of any disciplinary proceeding conducted by this institution against a student who is the alleged perpetrator of such a crime or offense. If the alleged victim is deceased as a result of such a crime or offense, the next of kin of such victim shall be treated as the alleged victim.

## Bystander Intervention:

Often people don't intervene because they may assume a situation isn't a problem, or feel it is none of their business. They may assume that someone else will do something, or believe that other people weren't bothered by the problem. In



some cases, a person might feel their personal safety is at risk. When people do intervene in a situation, they often say that it was the right thing to do, and that they'd want someone to intervene if the roles were reversed. MSSU encourages students and faculty staff members to take action if they have an opportunity to prevent or intervene in an incident. They should also constantly be aware of events occurring around them and (if possible) create solutions.

Individuals on campus are even asked to intervene in situations as soon as it is possible to safely do so, at least

speaking up so that others know what is going on. Of course, students and others should think about their response to ensure that their actions don't actually escalate the situation. Generally, telling friends that behavior is not acceptable is appropriate. Notifying the UPD or others in authority is also always appropriate.

\*For all policies relating to student safety, Clery and Title IX, please use this link: <http://www.mssu.edu/student-affairs/university-police>

## Associate of Science Degree

- A. Residence:** The last 15 semester hours must be completed in residence at Missouri Southern.
- B. Credit Hours:** A minimum of 60 hours must be completed.
- C. Grade Point Average (GPA):** The minimum cumulative and major field GPA must be 2.0.
- D. Major Field:** The student must meet the course requirements in the particular program of study as approved by an advisor.
- E. General Education Core Curriculum Requirements:** The degree requires completion of the general education requirement curriculum courses as well as those outlined in the student's major field of study. The general education requirement curriculum required courses are listed below:
- F. University Experience:** A university experience (UE 100) course is required for all Missouri Southern degree-seeking students. UE 100 is also required for transfer students with fewer than 30 credit hours who have not completed an orientation course. Dual credit and credit-in-escrow are excluded.

## ASSOCIATE DEGREE: Core Curriculum Requirements

### 1. SOCIAL AND BEHAVIORAL SCIENCES

**6 HOURS**

#### 1A. SELECT ONE:

ANTH 101	General Anthropology (ANTH 101)	3 Hours
ECON 101	Economics Social Issues (ECON 100)	3 Hours
ECON 201	Principles of Econ Macro (ECON 101)	3 Hours
ECON 202	Principles of Econ Micro (ECON 102)	3 Hours
GEOG 101	Introduction to Geography	3 Hours
GEOG 111	World Regional Geography (GEOG 101)	3 Hours
HIST 180	Modern Global Hist 1450-Present (HIST 202)	3 Hours
PSY 100	General Psychology (PSYC 100)	3 Hours
SOC 110	Introduction to Sociology (SOCI 100)	3 Hours

#### 1B. CIVICS: SELECT ONE

HIST 110	U.S. History 1492-1877 (HIST 101)	3 Hours
HIST 120	U.S. History 1877-Present (HIST 102)	3 Hours
PSC 120	American Government (POSC 101)	3 Hours

### 2A. WRITTEN COMMUNICATION

**3 HOURS**

ENG 101	College Composition 1 (ENGL 100)	3 Hours
---------	----------------------------------	---------

### 2B. ORAL COMMUNICATION

**3 HOURS**

COMM 100	Oral Communication (COMM 110)	3 Hours
COMM 101	Intro to Human Communication (COMM 100)	3 Hours
TH 220	Professional Interaction (COMM 125)	3 Hours

### 3. NATURAL SCIENCES

**3-HOURS**

BIO 102	General Biology (BIOL 100)	3 Hours
EH 107	Environmental Science	3 Hours
GEOG 120	Introduction to Physical Geography (GEOG 100)	3 Hours
PHYS 120	Fund of Physical Science (PHYS 110)	3 Hours
PHYS 130	Astronomy (ASTR 100)	3 Hours

BIO 101	General Biology/Lab (BIOL 100L)	4 Hours
BIO 108	Principles of Biology I (BIOL 150L)	3 Hours
BIO 109	Principles of Biology I Lab	1 Hour

BIO 121	Human Anatomy & Physiology I/Lab (LIFS 150L)	4 Hours
BIO 180	Essential Anatomy & Biology/Lab (LIFS 100L)	4 Hours

CHEM 121	Chemistry for Allied Health Science (CHEM 100L)	3 Hours
CHEM 122	Chemistry for Allied Health Science Lab	1 Hour

CHEM 140	Gen Chemistry I (CHEM 150L)	3 Hours
CHEM 141	Gen Chemistry I Lab	1 Hour

GEOG 201	Physical Geography/Lab (GEOG 100L)	4 Hours
GEOL 120	Introduction to Geology/Lab (GEOL 100L)	4 Hours
GEOL 185	Introduction to Meteorology/Lab	4 Hours
PHYS 121	Fund Physical Sci W/Lab (PHYS 110L)	4 Hours
PHYS 160	Elem Coll Physics I W/Lab (PHYS 150L)	4 Hours
PHYS 270	General Physics W/Lab (PHYS 200L)	4 Hours

Some majors may require a 4 hour science course. Consult with advisor recommended science course.

### 4A. MATHEMATICS

**3 HOURS**

MATH 30 (or above)  
Consult with major advisor for recommended MATH course.

### 5A/B. HUMANITIES AND FINE ARTS

**3 HOURS**

#### SELECT ONE:

ART 110	Art Appreciation (ARTS 100)	3 Hours
ART 251	Art History Pre-Historic Thru Gothic (ARTS 101)	3 Hours
ART 252	Art History Renais. thru 19th Century (ARTS 102)	3 Hours
CHI 103	Survival Chinese	5 Hours
CHI 203	Intermediate Chinese I	3 Hours
ENG 240	Short Story (LITR 100)	3 Hours
ENG 250	Introduction to Literature (LITR 100)	3 Hours
ENG 261, 262	World Literature (LITR 200A/200M )	3 Hours
ENG 271, 272	British Literature (LITR 102A/102B)	3 Hours
ENG 281, 282	American Literature (LITR 101A/101B)	3 Hours
FREN 101	Beginning French I (LANG 101)	3 Hours
FREN 102	Beginning French II (LANG 102)	3 Hours
HIST 130	Western Civilization to 1660 (WCIV 101)	3 Hours
HIST 140	Western Civilization since 1660 (WCIV 102)	3 Hours
JPN 103	Survival Japanese	5 Hours
JPN 205	Basic Japanese Grammar	3 Hours
ML 150	East Asian Culture China & Japan	3 Hours
MUS 101	Jazz Styles & Appreciation (MUSC 100J)	3 Hours
MUS 106	World Music (MUSC 102)	3 Hours
MUS 110	Music Appreciation (MUSC 100)	3 Hours
PHIL 201	Introduction to Philosophy (PHIL 100)	3 Hours
PHIL 212	Ethics (PHIL 102)	3 Hours
SPAN 100	Workplace & Travel Spanish	3 Hours
SPAN 101	Beginning Spanish I (LANG103)	3 Hours
SPAN 102	Beginning Spanish II (LANG104)	3 Hours
TH 110	Theatre Appreciation (THEA 100A)	3 Hours
TH 252	Intro to Western Drama	3 Hours

### 5D. HEALTH AND WELLNESS

**2 HOURS**

KINE 103	Lifetime Wellness	2 Hours
----------	-------------------	---------

**TOTAL CORE CURRICULUM REQUIREMENTS: 23 HOURS**

### INSTITUTIONAL REQUIREMENT

**1 HOUR**

UE 100	The University Experience	1 Hour
HNRS 101*	Honors Forum (Honors Students Only)	2 Hours

\*1 cr hr towards University Experience, 1 cr hr towards Honors

**TOTAL CORE & INSTITUTIONAL REQUIREMENTS: 24 HOURS**

# DEGREE REQUIREMENTS

## Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first completed registration at MSSU provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSU and earned credit during the year of the catalog selected.

**Transfer Student:** The MSSU catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school and earned credit during the year of the catalog selected.

## Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The university reserves the right to require these students to take developmental courses in mathematics, composition, study skills or intensive English prior to participation in regular college level classes. Courses below the 100 level are not applicable to the baccalaureate degree and are excluded in honors calculations and calculation of the standards of progress toward graduation.

## Course Numbers and Levels

Course Numbers:

- 0 - 99 Not applicable toward the Baccalaureate Degree
- 100-299 Lower Division
- 300-499 Upper Division
- 500-700 Graduate

Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

## Baccalaureate Degree Requirements

- A. Residence:** The following minimum requirements must be met in residence at Missouri Southern: (1) 30 hours completed with Missouri Southern; (2) one-half of the credit both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division credit both required for the major and in the major department.
- B. Credit Hours:** At least 120 semester hours of college credit applicable to a Baccalaureate Degree are required for graduation.

**C. Grade Point Average (GPA):** The following minimum cumulative GPAs are required for all Baccalaureate Degrees except the BSE. The GPA excludes not applicable to Baccalaureate Degree (NABD) courses:

1. a 2.0 GPA for all credit hours attempted;
2. a 2.0 GPA for all the courses required for the major, both inside and outside the major department;
3. a 2.0 GPA for all courses, required and elective, taken in the major department.

The following minimum GPAs are required for the BSE:

1. a 2.75 GPA for all credit hours attempted;
2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
3. a 2.50 GPA for all courses, required and elective, taken in the major department;
4. a grade of "C" or better in professional education courses and courses required for elementary education, special education and early childhood.

**D. Upper Division Hours:** A minimum of 39 semester hours of courses numbered 300-499 must be completed. Transfer courses will be granted lower or upper division attributes based on how the course was originally taken.

**E. Modern Language:** All students expecting to graduate with a Bachelor of Arts degree must successfully complete 10-12 hours of the same modern language prefix.

**F. Writing:** Students will complete the writing goals established by the faculty in their selected major. Students graduating with the Bachelor of General Studies degree or the Bachelor of Applied Science degree will be required to complete one course beyond English 101 and 102 from the list of approved courses with a significant writing component.

**G. General Education Curriculum Requirements:** Missouri Southern has a general education requirement curriculum program that contributes toward the development of the whole person, as an individual and as a member of society. Transfer students should refer to the Transfer Student section of the catalog regarding the General Education requirements.

**H. University Experience:** A university experience course (UE 100) is required for all Missouri Southern degree-seeking students. UE 100 is also required for transfer students with fewer than 30 credit hours who have not completed an orientation course. Dual credit and credit-in-escrow are excluded. Honors students substitute HNRS 101 and Yours to Lose students substitute BIO 100.

In compliance with the State of Missouri Higher Education Core Curriculum Transfer Act (commonly known as CORE 42) initiative, the following general education requirement areas include the Missouri Transfer (MOTR) number for MSSU courses that have been approved. All public colleges and universities have adopted the CORE 42. Courses with a MOTR number in parentheses are guaranteed to transfer among all Missouri public institutions of higher education.

# BACCALAUREATE DEGREE: General Education CORE 42 Curriculum Requirements

## 1. SOCIAL AND BEHAVIORAL SCIENCES

### 1A. SOCIAL SCIENCE:

ANTH 101	General Anthropology (ANTH 101)	3 Hours
ECON 101	Economics Social Issues (ECON 100)	3 Hours
ECON 201	Principles of Econ Macro (ECON 101)	3 Hours
ECON 202	Principles of Econ Micro (ECON 102)	3 Hours
GEOG 101	Introduction to Geography	3 Hours
GEOG 111	World Regional Geography (GEOG 101)	3 Hours
HIST 180	Modern Global History 1450-Present (HIST 202)	3 Hours
PSY 100	General Psychology (PSYC 100)	3 Hours
SOC 110	Introduction to Sociology (SOCI 100)	3 Hours

### 1B. CIVICS: SELECT ONE

HIST 110	U.S. History 1492-1877 (HIST 101)	3 Hours
HIST 120	U.S. History 1877-Present (HIST 102)	3 Hours
PSC 120	American Government (POSC 101)	3 Hours

## 2. COMMUNICATION

### 2A. WRITTEN COMMUNICATION

ENG 101	College Composition I (ENGL 100)	3 Hours
ENG 102	College Composition II (ENGL 200)	3 Hours
ENG 111	Adv. College Composition (Honors)	3 Hours

### 2B. ORAL COMMUNICATION

COMM 100	Oral Communications (COMM 110)	3 Hours
COMM 101	Intro to Human Communication (COMM 100)	3 Hours
TH 220	Professional Interaction (COMM 125)	3 Hours

## 3. NATURAL SCIENCES

### DIFFERENT DISCIPLINES, MUST HAVE MINIMUM ONE COURSE WITH LAB

### 3A. Non-Lab Courses

BIO 102	General Biology (BIOL 100)	3 Hours
EH 107	Environmental Science	3 Hours
GEOG 120	Introduction to Physical Geography (GEOG 100)	3 Hours
PHYS 120	Fund of Physical Science (PHYS 110)	3 Hours
PHYS 130	Astronomy (ASTR 100)	3 Hours

### 3B. Courses with Labs

BIO 101	General Biology/Lab (BIOL 100L)	4 Hours
BIO 108	Principles of Biology I (BIOL 150L)	3 Hours
BIO 109	Principles of Biology I Lab	1 Hour
BIO 121	Human Anatomy & Physiology I/Lab (LIFS 150L)	4 Hours
BIO 180	Essential Anatomy & Physiology (LIFS 100L)	4 Hours
CHEM 121	Chemistry for Allied Health Science (CHEM 100L)	3 Hours
CHEM 122	Chemistry for Allied Health Science Lab	1 Hour
CHEM 140	Gen Chemistry I (CHEM 150L)	3 Hours
CHEM 141	Gen Chemistry I Lab	1 Hour
GEOG 201	Physical Geography/Lab (GEOG 100L)	4 Hours
GEOL 120	Introduction to Geology/Lab (GEOL 100L)	4 Hours
GEOL 185	Introduction to Meteorology/Lab	4 Hours
PHYS 121	Fund Physical Sci W/Lab (PHYS 110L)	4 Hours
PHYS 160	Elem Coll Physics I W/Lab (PHYS 150L)	4 Hours
PHYS 270	General Physics W/Lab (PHYS 200L)	4 Hours

## 4. MATHEMATICS

MATH 120	Math for Elementary Teachers II	3 Hours
MATH 125	Contemporary Mathematics (MATH 120)	3 Hours
MATH 129	Finite Mathematics	3 Hours
MATH 130	College Algebra (MATH 130)	3 Hours
MATH 135	Trigonometry	3 Hours
MATH 140	Algebra & Trigonometry (MATH 150)	5 Hours
MATH 150	Calculus w/Analytic Geo I	5 Hours

## 5. HUMANITIES AND FINE ARTS/GLOBAL COMP/HEALTH&WELLNESS

### 5A. HUMANITIES:

CHI 103	Survival Chinese	5 Hours
CHI 203	Intermediate Chinese I	3 Hours
ENG 240	Short Story (LITR 100)	3 Hours

### 9 HOURS

### 6 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

### 3 HOURS

ENG 250	Introduction to Literature (LITR 100)	3 Hours
ENG 261, 262	World Literature (LITR 200A/200M)	3 Hours
ENG 271, 272	British Literature (LITR 102A/102B)	3 Hours

### 5A. HUMANITIES CONTINUED:

ENG 281, 282	American Literature (LITR 101A/101B)	3 Hours
FREN 101	Beginning French I (LANG 101)	3 Hours
FREN 102	Beginning French II (LANG 102)	3 Hours
HIST 130	Western Civilization to 1660 (WCIV 101)	3 Hours
HIST 140	Western Civilization since 1660 (WCIV 102)	3 Hours
JPN 103	Survival Japanese	5 Hours
JPN 205	Basic Japanese Grammar	3 Hours
ML 150	East Asian Culture China & Japan	3 Hours
PHIL 201	Introduction to Philosophy (PHIL 100)	3 Hours
PHIL 212	Ethics (PHIL 102)	3 Hours
PHIL 312	Biomedical Ethics	3 Hours
SPAN 100	Workplace & Travel Spanish	3 Hours
SPAN 101	Beginning Spanish I (LANG 103)	3 Hours
SPAN 102	Beginning Spanish II (LANG 104)	3 Hours
TH 252	Intro to Western Drama	3 Hours

### 5B. FINE ARTS:

ART 110	Art Appreciation (ARTS 100)	3 Hours
ART 251	Art History Pre-Historic Thru Gothic (ARTS 101)	3 Hours
ART 252	Art History Renais. thru 19th Century (ARTS 102)	3 Hours
MUS 101	Jazz Styles & Appreciation (MUSC 100J)	3 Hours
MUS 106	World Music (MUSC 102)	3 Hours
MUS 110	Music Appreciation (MUSC 100)	3 Hours
TH 110	Theatre Appreciation (THEA 100A)	3 Hours

### 5C. GLOBAL COMPETENCIES

ANTH 155	Physical Anthropology & Archeology	3 Hours
ANTH 342	Comparative Cultures	3 Hours
CHI 103	Survival Chinese	5 Hours
CHI 203	Intermediate Chinese I	3 Hours
CJAD 301	International Justice Systems	3 Hours
CJAD 370	International Terrorism	3 Hours
COMM 305	Intercultural Communication	3 Hours
EDUC 280	Education in the Global Society	3 Hours
FREN 101	Beginning French I (LANG 101)	3 Hours
FREN 102	Beginning French II (LANG 102)	3 Hours
GEOG 111	World Regional Geography (GEOG 101)	3 Hours
GEOG 310	Human Geography	3 Hours
HIST 130	Western Civilization to 1660 (WCIV 101)	3 Hours
HIST 140	Western Civilization since 1660 (WCIV 102)	3 Hours
HIST 150	Asian Civilizations	3 Hours
HIST 160	History of Latin America	3 Hours
HIST 180	Modern Global History 1450-Present (HIST 202)	3 Hours
HS 305	Intercultural Communication	3 Hours
IB 310	International Business	3 Hours
INTS 201	Intro to International Studies	3 Hours
INTS 306	Introduction to Global Health	3 Hours
JPN 103	Survival Japanese	5 Hours
JPN 205	Basic Japanese Grammar	3 Hours
ML 150	East Asian Culture China & Japan	3 Hours
PHIL 320	Comparative Religion (RELG 100)	3 Hours
SOC 303	The Arab World	3 Hours
SPAN 100	Workplace & Travel Spanish (LANG 105)	3 Hours
SPAN 101	Beginning Spanish I (LANG 103)	3 Hours
SPAN 102	Beginning Spanish II (LANG 104)	3 Hours

### 5D. HEALTH AND WELLNESS

KINE 103	Lifetime Wellness	2 Hours
----------	-------------------	---------

### TOTAL CORE 42 GENERAL EDUCATION REQUIREMENTS

### INSTITUTIONAL DEGREE REQUIREMENT

UE 100	University Experience	1 Hour
HNRS 101	Honors Forum (1 Cr Hr towards UE100)	2 Hours
BIO 100	Freshman Seminar (YTL students only)	1 Hour

**TOTAL CORE 42 & INSTITUTIONAL REQUIREMENTS: 43 HOURS**

# School of Arts and Sciences

School Dean  
Dr. Marsi Archer  
417-625-9385

## Mission

The School of Arts and Sciences provides quality teaching and challenging academic experiences that contribute to the complete education of students in both the General Education/Core 42 Requirements and specific curriculums that prepare students for careers or additional education or training. Supporting this overall mission are sound pedagogy, contributions to scholarly and creative activity and service to the campus and community.

## Goals

The School of Arts and Sciences consists of 13 departments representing more than 22 disciplines. Although diverse in nature and subject, the departments in the School of Arts and Sciences all contribute to the overall missions of the University and School of Arts and Sciences by working to achieve these goals:

1. Quality teaching is our primary goal and responsibility. Arts and Sciences faculty teach the majority of courses in the General Education Requirements, a diverse but integrated group of courses that form the foundation of higher education. The academic majors within the School of Arts and Sciences prepare students for a variety of careers or for graduate and professional school. Faculty focus on pedagogy and strive to create a rigorous and exciting atmosphere for learners. Departments measure achievement of this goal using a structured system of faculty and course evaluation that involves input from anonymous student questionnaires, classroom visits by the department head, reviews of grade distributions, examinations, course Web pages and other supplements.
2. The second goal of the School of Arts and Sciences is scholarly and creative activity. Scholarly research and activity advances knowledge and improves teaching by keeping faculty current in their field and creating a dynamic environment for students. Creative activity and performance improves the proficiency of faculty and enhances teaching. The result is an enriched cultural

experience for students and the community. The inherent desire of many faculty to advance knowledge in their discipline is further encouraged through a reward system that includes faculty development grants and credit through the system of promotion and tenure. This goal is measured primarily by examination of faculty vitae and through intradepartmental comparisons.

3. University and community service, the third goal of the School of Arts and Sciences, provides opportunities for faculty to participate in a variety of university and community affairs. Faculty donate academic expertise and problem solving skills to the university and community. The school serves as a cultural resource by presenting films, art exhibitions, dramatic productions, musical concerts and recitals. All departments provide academic activities for students in elementary through secondary grades. This goal is evaluated by rating the success and significance of various activities.

## Anthropology (Social Sciences)

Faculty:  
Wells-Lewis - Chair, Greer  
Webster Hall • 417-625-9795

## Mission

Anthropology is the story of humanity, our evolution in Africa, and subsequent movements across the planet. In addition, it addresses the range of human cultural variation, and the shared social and biological universals that together unite the species as a single whole. That holistic comparative approach is the hallmark of anthropology, which compliments the sister social and behavioral sciences, as well as the arts, humanities, foreign languages, natural sciences, economics, and health sciences.

The minor in Cultural Anthropology provides a solid introduction to the four sub-fields of the discipline, as well as its applied dimension, which addresses issues of international concern, such as development and human rights. The electives emphasize the role of culture as relating to specific regions and institutions, such as religion and globalization. A cultural anthropology minor complements majors in sociology, psychology, history, political science, foreign languages, communication, and international studies.



The Native American Students Association (NASA) is open to all students with an interest in the culture and heritage of Native North America, and provides social, educational, and service opportunities for its members.

For additional information contact:

Dr. Jill Greer • Webster Hall  
417-625-9795 • greer-j@mssu.edu

## Art

Faculty:

Pishkur - Chair, Bentley, Bucher, McKenzie, Mintert,  
Outhouse  
Fine Arts Building • 417-625-9563

## Mission

The Art Department complements a university liberal arts education with professional training in visual art by offering several major areas of undergraduate study. These develop highly trained artists who will become designers, teachers and studio artists. The Department also includes minors for students majoring in other fields who desire to develop critical thinking and problem solving skills in Studio, Design and Art History. A series of post-baccalaureate courses in art are also provided as stand-alone classes or as electives in support of the Teacher Education Department's Masters of Science in Education, Curriculum and Instruction degree. Our faculty provides an integrated, relevant educational experience through quality teaching, small classes and individual attention. Themed exhibitions in the campus Spiva Art Gallery, Art History courses, a permanent study collection of African artifacts and an extensive study abroad program provide training and experiences that fulfill the University's International Mission while advancing culture and creativity in this region.

## Implementation

The Bachelor of Arts degree in Visual Art combines a liberal arts background with a strong foundation in studio arts and art history to prepare graduates for a wide range of creative careers. The Bachelor of Fine Arts in Studio Art is the professional course of study that prepares graduates to pursue a career as a visual artist in areas such as sculpture, painting, printmaking or ceramics while the Bachelor of Fine Arts in

Design prepares students to pursue careers in advertising, print production, electronic media, web design and package design. Graduates with a Bachelor of Science in Education and a major in Art are certified through the Teacher Education program to teach K-12 in the state of Missouri.

Degree requirements in the various art programs are such that it is extremely important for students majoring in art to meet with their faculty advisors each semester. There are two major, direct assessments of candidates for art degrees: the Foundation Review (entrance examination) and Capstone Experience (public presentation/exit examination).

All art majors must enroll in the zero credit "course" Foundation Review upon completion of the 18 credit hours of foundational art courses. For this review, students submit a representative portfolio of their creative work from the foundation courses in person to a selection of the Art faculty following guidelines established in advance by the Art Department faculty. Passing this portfolio review is the prerequisite for enrolling in either of our senior level *Professional Practices* courses as well as the entrance examination for application and enrollment in the Bachelor of Fine Arts (B.F.A.) degrees.

The zero credit Art Capstone Experience is a formal presentation or exhibition of the student's artwork to the public. The final grade students receive for this experience is determined by the evaluations all art faculty members submit and are based upon a ratings sheet assessing how well a candidate meets established criteria in the actual exhibition, as well as a submitted exit (digital) portfolio. B.F.A. students must also enroll in the zero credit B.F.A..Thesis course their final semester.

ART 0110 - Art Appreciation , ART 0251 or ART 0252 meets the General Education/Core 42 requirement for non-art majors in the area 5B Fine Arts.

For additional information contact:  
Frank A. Pishkur • Fine Arts Building  
417-625-9735 • pishkur-f@mssu.edu

# Biology

Faculty:

Lemmons -Chair, Barry, Baumbach, Boman, Coffman-Rea, Fletcher, Gustafson, Johnson, Kilmer J, Kilmer M, Mehrhoff, Penning, Rhodes, Rinner, Sample, Sharma, Wells, and Willand

Reynolds Hall room 210 • 417-625-9766

## Mission

Our mission is to provide a stimulating and challenging Biology curriculum, excellence in teaching, quality academic advising, outstanding general education courses and dedicated community and university service, as well as international opportunities for students.

Coursework within biology can encompass a wide range of topics including anatomy, botany, cell biology, ecology, evolution, physiology, zoology and many others. The curriculum for a Bachelor of Science with a Major in Biology is arranged into three areas of study in order to highlight courses that are most appropriate for a particular area of interest.

**Biomedical Sciences:** Students interested in pre-dental, pre-medical, pre-optometry, pre-pharmacy, pre-physician assistant, pre-physical therapy or pre-occupational therapy, or pre-veterinary studies should consider courses that are listed within the area of biomedical sciences. Many of these courses may be required by professional schools such as medical schools or pharmacy schools.

**Field/Conservation Biology:** Students interested in botany, conservation, ecology, evolution, marine biology, wildlife, zoology, or other related topics should consider courses that are listed within the area of field or conservation biology. These courses provide a solid educational background for students wanting to pursue graduate studies or careers in these related areas.

**General Biology:** Students interested in a more broad range of biological topics should consider courses that are listed within the area of general biology. These courses provide a diverse educational background that would allow students to pursue graduate studies or careers in a wide range of biological sciences.

**Bachelor of Science in Education with a Major of Unified Science, Biology Endorsement:** Will allow students to teach introductory level courses in biology, chemistry, earth science, and physics and to teach advanced courses in biology at the secondary level.

**Bachelor of Science in Education with a Biology Certification:** Will allow students to teach introductory and advanced level courses in biology at the secondary level.

Internships are encouraged for biology majors. These internships allow the students to gain practical experience in a work or research setting. Students work under the joint supervision of a faculty member and a representative of the institute providing the intern experience.

For additional information on Biology or Environmental Health Degrees check out the Environmental Health and Safety Major , program or go to [mssu.edu/academics/arts-sciences/biology](http://mssu.edu/academics/arts-sciences/biology)

For additional information on Biology:  
Dr. Crystal Lemmons, Department Chair  
Reynolds Hall room 210 • 417-625-9766 • [lemmons-c@mssu.edu](mailto:lemmons-c@mssu.edu)

## Chemistry (Physical Sciences)

Faculty:

Donelson - Chair, Burchett, Garoutte, Gilbert-Saunders, Gonzales Gunsaru, Moore, and Summerfield  
Reynolds Hall 210 • 417-625-9766

## Mission

The Chemical and Physical Sciences Department is a learning community dedicated to:

- providing a curriculum that gives its majors a thorough grounding in the basic principles and methods of chemistry in theory and practice
- offering our students ample opportunities for independent research
- providing chemistry courses suitable for students majoring in other fields
- offering courses in support of the health sciences
- supporting a Medical Laboratory Science program in concert with hospitals in the region

- providing a positive environment for students, staff and faculty

Chemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research, environmental protection, instrumentation, new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, chemistry degrees are valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

For additional information contact:

Dr. James Donelson, Department Chair  
Reynolds Hall 213  
417-625-9345 • donelson-j@mssu.edu

## Communication

Faculty:

Bryant - Chair, Grecu, Kim, Larson, Slavings, Stebbins, and Williams  
Webster Hall 361 • 417-625-9580

## Mission

The mission of the faculty, staff, and students in the Department of Communication is to investigate, create, and disseminate information to a global public using a variety of communication and media channels. The learning and practical experiences provided by the department support the University's mission to prepare students for successful careers and lifelong learning.

## Core Values

- Communication studies can provide the basis for a productive career and a rewarding personal life.
- Missouri Southern graduates in communication have found successful careers in media, government, education, public relations, and hospitals, as well as local, national and international organizations.
- A major in communication offers an array of career opportunities in such fields as television, radio,

journalism, social media, and corporate and public relations.

- Communication curriculum acknowledges the diversity and interconnectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.
- Faculty members emphasize multimedia communication exemplified by speaking and writing skills as well as technical knowledge related to mass media production and theory.
- Faculty members are committed to the continual assessment of programs to ensure that students develop communication competencies sought by business, industry, government, education and the professions.

## Majors

Students pursuing a Bachelor of Arts or Bachelor of Science in Communication have two options:

**Mass Communication** offers students the necessary abilities in producing programs in digital media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories.

**Public Relations** allows students to develop a specialty focusing on the aspects of promoting and showcasing organizations through strategic communication.

The communication department also offers the following for education majors:

**Speech Communication and Theatre** is a Bachelor of Science degree in Education earned in conjunction with the School of Education.

### Media outlets and organizations

- KGCS-TV, digital broadcast station and cable service
- KXMS: Fine Arts Radio International, a 24-hour-a-day radio station
- The Chart, a student-operated newspaper published weekly
- Southern Broadcasters Club
- Public Relations Student Society of America
- Society of Professional Journalists

# Applied Learning

Internships, study abroad seminars, and courses emphasizing practical experience allow students to gain professional skills in the fields they may wish to pursue. Students are required to complete a professional portfolio as the capstone component of their degree from the communication department.

General Education Requirements for all students of the University include COMM 100 Oral Communication.

Want to find out more about student-operated media opportunities at MSSU?

KGCS (TV) • [mssu.edu/kgcs](http://mssu.edu/kgcs)

The Chart • [thechartonline.com](http://thechartonline.com)

KXMS (Radio) • [mssu.edu/kxms](http://mssu.edu/kxms)

For additional information contact:

Ward Bryant, Department Chair

Webster Hall 362 • 417-625-9710

[bryant-w@mssu.edu](mailto:bryant-w@mssu.edu)

## Criminal Justice

Faculty:

Wilson - Chair, Adams, Cowdin, Gunderman, Hulderman, Spencer, and Spurlin

Justice Center 126 • 417-625-9302

## Mission

The mission of the Criminal Justice Administration Department is to encourage lifelong learning and scholarship, to produce qualified and knowledgeable graduates and to foster development of ethical professionals prepared for leadership positions in the criminal justice system and related fields. The department is devoted to emphasizing quality teaching and learning, to providing an international perspective and to promoting the value of community service. The department seeks to further the study and understanding of criminal justice through our teaching, scholarship and service.

Adding to the extremely versatile Criminal Justice Administration Major. BS, CJ01 and the Law Enforcement Major (Option A), AS, LE00 and Law Enforcement Major (Option B) Basic Law Enforcement Academy, AS, LE01, the

Criminal Justice Department offers the Criminal Justice Administration/CIS Major, Computer Forensics Option, BS, CJ00.

These exciting degree programs are complemented by four minors:

- Criminal Justice Administration
- Juvenile Justice
- Corrections
- CSI-Crime Scene Investigation

In addition to the current minors, the Department of Criminal Justice is now offering certificates in eight specialized areas including:

- Corrections Certificate, Criminal Justice, CJ92
- Crime Scene Investigations Certificate, Criminal Justice, CJ94
- Criminal Investigation Certificate, Criminal Justice, CJ91
- Criminal Law Certificate, Criminal Justice, CJ95
- Homeland Security Certificate, Criminal Justice, CJ96
- Juvenile Justice Certificate, Criminal Justice, CJ93
- Policing Certificate, Criminal Justice, CJ90

These certificates are both stand-alone programs of study for individuals wishing to obtain specialized certification in the various areas as well as those students who are pursuing a baccalaureate degree.

The many combinations offer a myriad of opportunities for students seeking careers in the criminal justice system and related fields.

The Criminal Justice Administration degree offers academic training coupled with real world practical training for students pursuing careers as criminal justice professionals in the traditional fields of law enforcement, juvenile justice, corrections, probation and parole, and private safety and security. The Criminal Justice program provides a varied curriculum, small classes, faculty who provide individual academic attention, international education opportunities and a unique learning environment that meets the needs of a diverse student body. The program prepares students for a wide variety of careers as criminal justice professionals as well as graduate programs in criminal justice, law and other related fields.

In addition to day and evening courses, students can obtain the Bachelor of Science in Criminal Justice Administration and the Associate of Science in Law Enforcement degrees online. The many hybrid courses combine the benefits of the classroom experience with the flexibility of the Internet. The

department offers criminal justice professionals, who have experience in the field, college credit for work experience through the portfolio process. The Department also recommends that all students participate in the internship program, where students receive university credit for working side by side with practicing criminal justice professionals.

Our faculty members are attentive to student needs and strive to prepare students for challenging criminal justice careers. They have over 100 years of combined practical experience as:

- \* State and local law enforcement officers
- \* Juvenile officers
- \* Legal advocates
- \* Correctional officers
- \* Criminal investigators
- \* Child abuse investigators
- \* Private security
- \* Nonprofit agency administrators

The Criminal Justice Department emphasizes the international mission and provides students with opportunities to study and travel abroad to view firsthand other criminal justice systems around the globe. Our faculty and students have explored the criminal justice systems of England, France, Australia, New Zealand, Morocco, Italy, Israel, Spain and Costa Rica. In the years since the international mission was implemented, more than 350 criminal justice students have studied abroad.

The state-of-the-art Mills Anderson Justice Center is the home of the Criminal Justice Administration Department. The department houses a high-tech mobile Crime Scene Investigation Unit, a modern indoor "live-fire" range, and two firearms training simulators. The auditorium provides a forum for lectures and advanced training seminars for practicing criminal justice professionals. These seminars are taught by nationally recognized criminal justice professionals, allowing students to learn from the experts and network with potential employers. The gymnasium and crime scene rooms provide real-life practical scenario training.

The Criminal Justice Department at Missouri Southern State University also operates the 600-hour Basic Law Enforcement Training Academy. (See Law Enforcement (Criminal Justice)

For additional information contact:  
Criminal Justice Administration Department  
Dr. Tim Wilson, Chair  
Justice Center 126B  
417-625-9858  
wilson-t@mssu.edu

## Law Enforcement (Criminal Justice)

Faculty:

Wilson- Chair, Adams, Cowdin, Hulderman, Spencer, and Spurlin

Justice Center 126 • 417-625-9302

The Associate of Science degree in Law Enforcement helps prepare students for entrance into law enforcement, a field which has become highly specialized and complex at the local, state and national levels. The University also offers the four-year Bachelor of Science degree in Criminal Justice Administration.

## Missouri Peace Officer Certification

The 600-hour Missouri Peace Officer Certification is offered through Criminal Justice Administration (CJAD) and the Missouri POST (Peace Officer Standards & Training) Certified Law Enforcement Academy. Students who successfully complete the Academy and meet licensing requirements become eligible for employment as Missouri Peace Officers. See course descriptions.

## Application/Admission/Certification

The State of Missouri requires applicants at the time of licensing to be 21 years of age, a United States citizen, have a high school diploma or its equivalent and pass the Missouri State Police Officer Licensing examination. An applicant with a criminal history must receive Missouri POST clearance before being accepted to the program. An interview with the Training Coordinator is required for admittance to the program.

## English

Faculty:

Watson - Chair, Barry Brown, Joey Brown, Ferguson, Gates, Gray, Howarth, Kumbier, McSpadden, Modlin, Mouser, Petersen-Durden, Rodgers & Toliver

Kuhn Hall • 417-625-9377



# Mission

The mission of the Department of English and Philosophy is to cultivate reading and writing skills, critical thinking, and an appreciation of literature--thereby preparing students to succeed professionally, to participate locally and globally as productive citizens, and to live reflective, joyful lives.

The department supports the University's commitment to a strong liberal arts education by offering courses in composition, literature, and philosophy that fulfill the General Education Requirements for all Missouri Southern students. For English majors, the department offers tracks that lead to a Bachelor of Science in Education degree or to a Bachelor of Arts degree. In addition, the department supports the University's goal of preparing global citizens by offering relevant international curricula and experiences for its students, including international study opportunities.

The Bachelor of Arts in English provides an excellent preparation for graduates who plan to enter business and industry, who plan to pursue graduate studies in English and who plan to enter professional schools such as law and medicine. Graduates of this program are employed in such widely diverse occupations as human resources, advertising, publishing, sales management, law, mass communications and college teaching. English majors develop strong skills in writing organization and creativity and they develop a perception of and appreciation for the human values that grow out of the study of literature. Such skills equip English majors for success in the many different fields of employment described above and more.

The Bachelor of Arts English major at Missouri Southern comprises two major tracks. The literary studies emphasis focuses on the traditional study of literature, preparing the student for advanced study of English in graduate school, for law school and for a variety of careers in which understanding of human nature, critical thinking and oral and written communication skills are valued.

The professional/ technical writing emphasis prepares the student for more specialized careers involving writing in the workplace, such as public relations, copy writing and editing, technical writing and desktop publishing. Both tracks require a senior capstone experience: a Senior Seminar (ENG 0495) in the literary studies track or one or two internships (ENG 0491) in the writing emphasis. These internships furnish the students with practical experience using writing and research skills in a workplace environment.

The Bachelor of Science in Education English degree prepares students who wish to teach English/Language Arts at the secondary level (grades 9-12). The English BSE program is accredited by the National Council on Accreditation of Teacher Education (NCATE) and the Missouri Department of Elementary and Secondary Education (DESE), following the guidelines for teacher preparation of both of these organizations. Taking a prescribed set of courses in Teacher Education and in English, candidates for this degree may choose to certify to teach English as a single field (Plan B) or English plus another field (Plan A). Students who wish to certify to teach English/Language Arts in the middle school should consult the Teacher Education Program information .

The English and Philosophy Department also offers an English minor with a choice of three emphases. A minor in English with an emphasis in literature is a traditional English minor that allows students to deepen their knowledge of literature and writing. Both the minor in English with a writing emphasis and the minor in English with a creative writing emphasis are designed to develop students' writing skills and to provide them with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English will arrange a coherent sequence of courses in consultation with the departmental advisor for minors. Students should choose courses on the basis of their backgrounds, their major programs and, above all, their interests.

The department offers its majors and other students opportunities to use their talents and pursue their interests through Sigma Tau Delta, our department's chapter of the national honors society, or through bordertown, our student-run annual magazine dedicated to publishing the creative writing of MSSU students.

General Education/Core 42 Requirements in Humanities and Fine Arts can be partially met with the English courses listed under Area 5A. ENG 0101 is a prerequisite to all English courses except ENG 0080 and ENG 0111. ENG 0102 or ENG 0111 is a prerequisite to all 300-400 level English courses and to all writing-intensive courses in the university. The department urges all students to complete ENG 0101 and ENG 0102 in their first two semesters.

For additional information contact:  
Department of English & Philosophy  
Kuhn Hall 203  
417-625-9377

# Environmental Health

Faculty:

Fletcher - Director

Reynolds Hall 313A • 417-625-9765

## Mission

Our Mission is to provide students the knowledge, skills and credentials necessary to work as an environmental health and safety professional or to continue in environmental health and safety graduate studies. Environmental Health is the science of preventing physical, chemical or biological hazards from adversely impacting human health or the ecological balances that sustain our environment. Safety is the control of hazards to an acceptable level. Career opportunities include professional positions with public health departments, environmental protection agencies, environmental consultants and occupational health and safety divisions of industry.

The BS degree program is fully accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC). We provide the option of either an on campus track or a distance learning track to obtain the BS degree in Environmental Health and Safety (EHS). Major codes are EH02 on campus track or EH04 distance track. Minor and certificate options are also available.

MSSU Environmental Health & Safety Faculty contact for the Environmental Health & Safety Degree:

Dr. Mike Fletcher, Program Director

417-625-9765 • fletcher-m@mssu.edu

## Geography (Social Sciences)

Faculty:

Wells-Lewis -Chair, Davenport, Smith

Webster Hall 236 • 417-625-3008

## Mission

Preparing students for dynamic leadership and responsible citizenship is the mission of the Department of Social Sciences. The department provides students with the opportunity to cultivate critical thinking, communication and

technological skills that will continue to be of value in the complex world of the 21st century. The faculty offers substantive instruction and intellectual challenge within the Social Sciences. The department emphasizes opportunities to engage in the international world in support of the University's international mission. Finally, the Department of Social Sciences builds bridges to the local community through academic internships, public events, partnerships with local institutions and sponsorship of academic programs and events for local schools' students and teachers.

Geography is concerned with the spatial dimension of human experience, namely, space and place. As an integrative discipline, it brings together the physical and human dimensions of the world in the study of people, places and environments. A **major in Geography** provides students with rigorous preparation for the workplace or for graduate education by providing a balance among the physical science, social science, and computer information science subfields. Career avenues available to geographers include work in city planning offices and in other local, county, state, and federal governmental agencies that utilize geospatial data. Additionally, graduates of the program are prepared for areas of employment that have an international focus, such as the Peace Corps or the Foreign Service. Further opportunities for employment include work with the National Park Service, Bureau of Land Management, and state departments of conservation. The Geography Program also has a strong track record in preparing students for graduate study in geography, public health, and urban planning.

The **minor in Geography** emphasizes topical and regional studies, complementing programs of study for students majoring in International Studies, History, Political Science and Sociology, among other fields of study.

The **minor in Spatial Analysis** provides an opportunity for students majoring in areas of Business, Biology and Environmental Health, Criminal Justice, Computer Information Science, and Communications to enhance their skill sets in a growing area of information science.

For additional information contact:

Dr. Steve Smith • Webster Hall 236

417-625-3008 • smith-steve@mssu.edu

## Geology (Chemistry & Physical Sci.)

Faculty:

Donelson - Chair, Yeboah-Forson

Reynolds Hall 210 • 417-625-9766

### Mission

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development, water-use issues and waste disposal.

Geophysics studies the underlying forces responsible for geologic processes and develops the technology for probing the subsurface and interior of the earth. Professional geophysicists work to understand the nature of volcanic eruptions, the behavior and potential prediction of earthquakes, the mechanisms behind continental drift, how to better predict the behavior of the atmosphere and to develop technologies to search for new mineral and energy resources.

The Chemistry and Physical Science Department participates in a cooperative transfer program with the Missouri University of Science & Technology which allows students to complete their first two years of study toward a Bachelor of Science degree in either geology or geophysics at Missouri Southern and then transfer to Missouri S&T for the completion of the last two years of the degree. The program is adaptable so that students may also complete the degree at the University of Missouri at Columbia or Missouri State University in Springfield.

The geology courses at Southern support majors in other fields such as geography and environmental health and enable students to meet state certification requirements for teaching general science and earth science at the 7th through 12th grade levels.

For additional information contact:

Dr. Albert Yeboah-Forson

Reynolds Hall 209

417-625-9616 • yeboahforson-a@mssu.edu

## History (Social Science)

Faculty:

Wells-Lewis - Chair, Bever, Fischer, Shriver, and Wagner

Webster Hall 241 • 417-625-9565

### Mission

Preparing students for dynamic leadership and responsible citizenship is the mission of the Department of Social Sciences. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills that will continue to be of value in the complex world of the 21st century. The faculty offers substantive instruction and intellectual challenge within the Social Sciences. The department emphasizes opportunities to engage in the international world in support of the University's international mission. Finally, the Department of Social Sciences builds bridges to the local community through academic internships, public events, partnerships with local institutions and sponsorship of academic programs and events for students and teachers at local schools.

A Bachelor of Arts degree with a major in History prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A Bachelor of Science in Education with a major in Social Studies - History emphasis - certifies a student to enter professional teaching at the secondary school level. A minor in History is available for students majoring in other disciplines.

Certain History courses meet different areas of the General Education/Core 42 requirements:

- HIST 0110 or HIST 0120 are options in area 1B Civic Engagement.
- HIST 0130 and HIST 0140 are options in area 5A Humanities and area 5C Global Competencies (course applies in one area only, 2 different prefixes for area 5A)
- HIST 0150 and HIST 0160 are options in area 5C Global Competencies.
- HIST 0180 is an option in area 1A Social & Behavioral Sciences and area 5C Global Competencies (course applies in one area only).

HIST 0130 or HIST 0140 is a prerequisite for all Upper Division European courses. HIST 0150 is a prerequisite for all

Upper Division Asian History courses. HIST 0160 is a prerequisite for all Upper Division Latin American History courses.

## Student Organizations

The History Club is open to all students who are interested in history. The club provides an informal setting for students to pursue their interests in history and sponsors a wide variety of activities each semester.

Pi Alpha Theta is the National Honor Society in history. Pi Alpha Theta recognizes academic excellence in the field and encourages its members to participate in the activities of its national organization. Locally, Pi Alpha Theta members share many activities with the History Club.

For additional information contact:  
Dr. Ree Wells-Lewis • Webster Hall 245  
417-625-9565 • wells-r@mssu.edu

## Intensive English Program

Faculty:  
Carmichael - Director, Keller  
Webster Hall 320B • 417-625-9821

## Mission

The Intensive English Program (IEP) provides English as a Second Language (ESL) instruction to international and resident students whose first language is not English. The IEP provides instruction to help students reach an academic level of English in order to obtain a university degree. This supports MSSU's mission of a strong commitment to international education by enabling more international students to attend MSSU.

The English requirement for full admission to regular studies:

- A minimum TOEFL score of 68 (iBT) with a minimum writing score of 25 (iBT) OR
- A Michigan English Language Placement Test score of 85
- AN IELTS score of at least 6.0 with no subscore lower than 5.0

There is no minimum test score required for admission to English studies before a degree program.

Students holding an F-1 visa to study in the U.S. must be enrolled full-time in academic studies. Full time academic status is 12 or more credit hours; English study is 15 credit hours per semester.

## Placement:

Students are given a Michigan English Placement Test (MEPT) upon arrival and at the end of every semester. There is no charge for the test. The MEPT is one test developed by the University of Michigan and is valid only at the institution where the test is given.

## Courses:

Five levels of instruction are offered. Classes are taught in the following skill areas: Reading, Grammar, Composition, Speaking/Listening and Academic Skills. All classes must be passed with a 2.0 (C) to move to the next level. Courses may be repeated only one time if necessary.

## Length of Study:

The time a student spends in the IEP depends on a variety of factors including personal motivation, study skills, the language commonly used outside the classroom, level of proficiency and ability. It is expected that students complete the IEP in a specific time, set when students enroll in courses after taking the initial MEPT or other language assessment test.

Nothing herein prohibits a student from enrollment in courses at a lower or higher level than these general scores suggest, if test sub scores indicate different work in a skill area (grammar, listening, speaking, reading, writing, pronunciation) is more appropriate.

## Disciplinary Policy

IEP Disciplinary policy conforms to the MSSU Academic Policies as stated in the catalog. Any IEP student falling below a GPA of 2.0 in any semester in his or her IEP course work will be placed on IEP academic probation. If the GPA is not raised to the minimum standard of progress during the probationary semester, the student is subject to academic suspension from the program.

A student receiving academic suspension may not return to the IEP for one semester and will not be re-enrolled if the student cannot present evidence that indicates a high probability of academic success.

Academic bankruptcy is not permitted in the IEP.

# The Program

Students at all levels are required to enroll in a full load of IEP courses. Exchange Students at MSSU for a limited time and intending to complete their degree at another university may take IEP courses for transfer credit to their home institutions. Exchange students are governed by the exchange agreements under which they attend MSSU and must meet the language requirements of MSSU to be admitted to regular classes.

## English Support Services

International students or second language English students in the regular academic program at MSSU who wish to take English support classes to help their academic studies may take up to 6 hours of IEP courses each semester.

## Additional Help

IEP-sponsored English tutoring services for international and second language English students are provided through the Language Resource Center. In addition, Learning Center tutors are available to work with other academic work at any time.

## Conversation Partners

Time with conversation partners is required of English learners and provides support in getting to know American culture as well as language. Some IEP courses require students to find a conversation partner to complete the work of the course.

## Highlights of the IEP

- Students admitted to the IEP are considered official students at Missouri Southern State University with all the accompanying rights and privileges. Unless a student has met admission requirements to the University, however, s/he is not admitted thereby to a degree program.
- No minimum TOEFL or other proficiency test score is necessary to enroll in IEP classes, but scores on the Michigan Tests (MELICET and MPT) are used for placement in appropriate level courses.
- Small classes offer personal attention.

- Native English-speaking conversation partners and dormitory roommates are available.
- Conversation partners and IEP tutors allow students to progress at their own pace.
- Students participate in field trips to areas of cultural interest as well as planned social activities with neighboring colleges and universities.

Visit the IEP online at: <http://www.mssu.edu/iep>

For additional information contact:

Aaron Carmichael, Director

Intensive English Program

Webster Hall 320A • 417-625-9573

[iep@mssu.edu](mailto:iep@mssu.edu)

## International Studies

Faculty:

Stebbins - Director

Webster Hall 337A • 417-659-4442

## Mission

It is the goal of Missouri Southern State University that all academic programs be enhanced through an emphasis on international education. To that end, the University has identified five goals:

1. Graduates will have an understanding of how cultures and societies around the world are formed, sustained and evolve.
2. Graduates will have empathy for the values and perspectives of cultures other than their own and an awareness of international and multicultural influences in their own lives.
3. Graduates can identify and discuss international issues and cultures other than their own.
4. Graduates have communicative competence in a second or third language.
5. Graduates have experienced or desire to experience a culture other than their own.

Several activities have been designed and implemented to help make these goals possible. They include encouraging and supporting faculty to lead student groups abroad; providing grants for faculty to internationalize the curriculum; developing bilateral exchange agreements with universities in



other countries; developing "themed" semesters featuring special course offerings, lectures and cultural events of a particular country or continent; increasing the number of foreign language course sections and course offerings; and offering Performing Arts Awards for students majoring or minoring in a foreign language.

The Institute of International Studies (IIS) is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the University.

Finally, the Institute is committed to continual assessment of international programs and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education and other professional areas.

## Study Abroad Programs

(Semester and Year-Long Opportunities)

Missouri Southern students have many exciting opportunities to study for a semester or year in other countries. The University is a member of the International Student Exchange Program (ISEP), through which MSSU students can study and earn credit at some 330 colleges and universities in 50 countries around the world. In addition, students may choose to participate in the Bilateral Exchange Program. The University has negotiated a number of departmental bilateral agreements with international institutions; these exchanges are usually specific to a student's major. For semester or year-long exchanges, MSSU students studying abroad through most ISEP or Bilateral Exchange Programs pay regular MSSU tuition and similar room/board charges.

To participate in a long-term study abroad program, students must have a minimum GPA of 2.75 (higher for some host institutions); be degree seeking and enrolled full time; intend to return to MSSU to graduate; and generally have completed 60 credit hours by the time of the exchange.

More information on study abroad programs is available on the Institute of International Studies website:

<http://www.mssu.edu/international-studies/>

## International Studies Major

The major in International Studies is committed to the development in students of high intellectual standards, concern for the whole person and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study.

It is the goal of the major in International Studies that students who complete the program shall:

1. Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.
2. Analyze a variety of problems of international significance, selecting or creating possible solutions and defining possible means of implementation.
3. Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.
4. Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family or occupational.
5. Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.
6. Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

International Studies as defined by the Institute of International Studies allows as many disciplines as possible to become involved in the internationalizing of the University. The International Studies major and minor are interdepartmental degree programs administered by the Institute of International Studies. The program offers students an opportunity to enhance their understanding of the diverse cultures of the world and provides a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism, the military, research, public health, human service organizations and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The major is also a good foundation for graduate study

in such diverse areas as international law, business, history, political science, modern languages, anthropology, as well as international relations, intercultural communication, peace studies and other interdisciplinary programs.

For additional information contact:

Dr. Chad Stebbins, Director  
Institute of International Studies  
Webster Hall 337A  
417-625-9736  
stebbins-c@mssu.edu

## Mathematics

Faculty:

Johnson - Chair, Appuhamy, Boswell, Coltharp, Charles  
Curtis, Carrie Curtis, Horvath, Laird, Lathrom  
Reynolds Hall • 417-625-9376

## Mission

The Mathematics Department of Missouri Southern fills several key roles within the University. The Department contributes to the breadth of all majors on campus by providing the mathematics portion of the General EducationCore/ 42 Requirements. For disciplines with a larger quantitative component, the Department offers courses that develop the mathematical tools that students in these disciplines will require. The Department provides a pair of courses to increase future elementary teachers' command of mathematics and imbue them with confidence in its use. For prospective middle school and secondary mathematics teachers, the department offers a comprehensive curriculum designed to ensure that these students have both a mastery of the material they will be teaching and a depth of understanding that will allow them to see this material in a larger context. Additionally, the Department provides a comprehensive mathematics major, preparing students for careers in the academic, industrial or governmental arenas and a computational mathematics option, which allows a student to obtain a double major in mathematics and computer science. The faculty of the Mathematics Department of Missouri Southern State University are committed to excellence in teaching and learning. Recognizing that a successful department is dependent on successful students, the faculty devotes a great deal of energy to communicating mathematics effectively both in and out of the classroom. Department faculty constantly pursue techniques to further the

effectiveness of their teaching and to promote an environment conducive to the current and future success of its students.

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path.

General Education Requirements for the **associate of science** degree can be met with any mathematics course numbered 030 or above.

For students majoring in mathematics, mathematics education, or computational math (or minoring in math), only courses in which they have earned a grade of 'C' or above can be used to satisfy departmental mathematics requirements and supporting requirements. Mathematics courses used as prerequisites require a grade of 'C' or better. Placement in the first college math course is based on the student's score on the Mathematics Section of the ACT. More information is available in the individual course description, the Mathematics Department Office or on the following website:  
[www.mssu.edu/academics/arts-sciences/math-placement.php](http://www.mssu.edu/academics/arts-sciences/math-placement.php).

For additional information contact:

Dr. Kerry D. Johnson • Reynolds Hall 212  
417-625-9675 • johnson-k@mssu.edu

## Modern Languages

Faculty:

Kilpatrick - Chair, Galve-Rivera, Holt, Hou, Liso, Smith,  
Talavera-Ibarra  
Webster Hall • 417-625-3125

## Mission

The Department of Modern Languages aims to develop the language and cultural competency of students who learn to navigate effectively cross-cultural situations both at home and abroad. Our faculty offer a quality education in Chinese, French, Japanese and Spanish languages and cultures, which prepares students to work in a variety of fields and to live in

the multilingual communities defining our world. Our goal is to help you reach yours.

The Department of Modern Languages offers the Bachelor of Arts degree with an emphasis in French or Spanish. Minors and certificates in Chinese, French, Japanese, and Spanish are available. A Certificate in Medical Interpretation (Spanish/English) is another option available to prospective students. The Department also offers the Bachelor of Science in Education degree in French and Spanish, with the chosen language as a single teaching field or as one of two teaching fields. All modern language majors must demonstrate proficiencies in reading, writing, listening, speaking and cultural protocols in the language of study

For the Bachelor of Arts and for the Bachelor of Sciences in Education degrees, there is an immersion experience requirement. Opportunities for such programs exist through University-sponsored programs, through the University's membership in the International Student Exchange Program (ISEP) and through internships. The faculty provides close guidance to students in planning such experiences. Through the Institute of International Studies, students may be eligible for grants and/or scholarships to assist in financing these experiences.

Immersion programs are open to all students, regardless of major and are also available in Chinese and Japanese.

Students with previous foreign language experience should consult the Department of Modern Languages for current policies on placement in the proper course for the respective language. Students with no prior experience in a foreign language should enroll in a 101 course.

For additional information on Foreign Languages contact:  
Dr. James Kilpatrick, Department Chair  
Webster Hall 338 • 417-625-9667 • kilpatrick-j@mssu.edu

## Music

Faculty:

Talley - Chair, Cotter, Espinosa, Green, Neely, Nicolas,  
Robinson, Sharlow, Smith, and Wise  
Fine Arts Building • 417-625-9318

## Mission

The Music Department of Missouri Southern State University seeks to serve the University and its many constituents, in the following ways: by providing access to a general foundation in music education, by providing professional preparation to individuals interested in selected fields of study within the discipline of music, by providing an environment of cultural enrichment and by providing departmental support to the institutional commitment of the International Mission.

The Music Department acknowledges these activities as parts of its Mission:

- music performance
- teacher preparation
- community involvement
- the consistent delivery of a quality-driven curriculum
- support of the institutional International Mission through travel, studies conducted abroad, international performance and studies directed in support of the International Semester
- promote varied musical opportunities grounded in the Liberal Arts

The Department of Music offers a Bachelor of Arts degree with concentrations in Instrumental Music, Keyboard Music, Vocal Music or Music Industry and a Bachelor of Science in Education degree with a major in Music. Each degree prepares graduates for performance, studio teaching and/or continued study toward an advanced degree. In addition, the Bachelor of Science in Education degree prepares graduates for teaching in public education.

General Education/Core 42 requirements in Area 5B Fine Arts can be fulfilled by MUS 0110 Music Appreciation or MUS 0106 World Music (for music majors).

All music majors (with exception of piano majors) are required to pass a piano proficiency examination prior to graduation. Students must continue to enroll in piano courses regardless of credit requirements until piano proficiency is passed.

A provable equivalency for up to 4 semesters credit of MUS 0240 may be substituted by transfer students whose institution of origin does not have a similar recital attendance program stipulated in their curriculum.

For additional information contact:  
Dr. Keith Talley • Music Building 206  
417-625-3061 • talley-k@mssu.edu

# Philosophy (English)

Faculty:

Watson - Chair, Barry Brown

Kuhn Hall 417-625-9377

## Mission

The Department of English and Philosophy provides students with General Education introductory courses in philosophy that provide training and experiences in critical thinking and problem solving. The department also offers a minor in philosophy for students whose plans include graduate study and careers in fields such as medicine, law, theology and public service.

Philosophy deals with basic questions from all areas of life and thought - science, religion, art, morality and politics - and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think, how to analyze problems and their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management and theological seminaries.

For additional information on the Philosophy program, contact:

Dr. Barry Brown • Kuhn Annex 106

417-625-9659 • brown-b@mssu.edu

## Physics & Pre-Engineering

Faculty:

Donelson - Chair, Bajacharya, Marsh, Sundararajan &

Yeboah-Forson

Reynolds Hall 210 • 417-625-9766

## Mission

The Chemical and Physical Sciences Department is a learning community dedicated to:

- delivering undergraduate instruction for physics and physics education majors
- offering physics courses suitable for students majoring in other fields
- offering general education requirement science courses in support of the university's liberal arts curriculum
- supporting a two year transfer program for students majoring in engineering
- providing a positive environment for students, staff and faculty

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education or for entrance into graduate programs in physics, engineering and many other disciplines. Students who plan to do graduate work in engineering should, with the help of a faculty advisor, select their free electives in the area they plan to enter.

The physics area of the Chemical and Physical Sciences Department participates in cooperative two-year pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree.

## Pre-Engineering

The Chemical and Physical Sciences Department at Missouri Southern, in cooperation with the engineering faculty at the Missouri University of Science and Technology and the University of Missouri-Columbia, have prepared booklets describing the Cooperative Engineering Program between these schools and MSSU. These booklets list the course sequence for a student taking the first two or two and one-half years of an engineering science curriculum at Southern and planning to transfer to MS&T or UMC. The plan also includes the courses the student will take at Missouri S&T or University of Columbia-Columbia to complete a BS degree in various engineering disciplines. Engineering school General Education Requirements are different from liberal arts requirements so it is strongly recommended that the student consult with a pre-engineering advisor in the Chemical and Physical Sciences Department. Any student or advisor who desires a copy of the booklet should contact the Chemical and Physical Sciences Department.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the

student should meet with a pre-engineering advisor during the first semester. If a student wishes to transfer to a school other than MO S&T or MU-C, it is suggested that the catalog of that school be reviewed for any differences in its program and the MO S&T or MU-C outline. College catalogs are available in the Reserve Area of Spiva Library. Any advisor who desires a copy of the booklet should contact the Chemical and Physical Sciences Department.

For additional information contact:  
Dr. James Donelson, Department Chair  
Reynolds Hall 213  
417-625-9345 • donelson-j@mssu.edu

## Political Science (Social Science)

Faculty:  
Wells-Lewis - Chair, Clarke, Delehanty, Nicoletti, & Shoaf  
Webster Hall 245 • 417-625-9565

### Mission

Preparing students for professional careers in law, international affairs, and public service with a strong sense of responsible citizenship is the mission of the Political Science program within the Social Science Department at MSSU.

Our faculty is committed to excellence in teaching while also providing students with access to valuable experiences applicable to their future career. The department provides students with the opportunity to cultivate critical thinking, communication and technological skills.

The Bachelor's degrees with a major in Political Science is appropriate for those students seeking to do graduate work in political science, enter law school or other professional schools of public administration, join the public service or work in community service, as well as general career options. Students may choose to minor in Legal Studies or International Politics to further their study within the degree program. These minors are also available to all majors.

A Bachelor of Science in Education degree with a major in Social Studies - Political Science emphasis certifies a student to teach on the secondary school level. A minor in Political Science is available for students majoring in other disciplines. General Education/Core 42 Requirement Area 1B can be met by PSC 0120. PSC 0120 is a prerequisite for all other political science courses.

## Pre-Professional

### Mission

This curriculum allows Missouri Southern students to complete admission requirements for professional schools that accept applicants who have completed approximately 60 hours. Students should incorporate professional school requirements into their schedule and work closely with an advisor at Missouri Southern. Also, students who are completing certification requirements for paramedic programs may transfer among Missouri public four-year colleges and universities.

For additional information contact:

Dr. Marsi Archer  
Hearnes Hall 306  
417-625-9385  
archer-m@mssu.edu

## Social Sciences

Faculty:  
Wells-Lewis - Chair, Bever, Clarke, Davenport, Delehanty, Fischer, Greer, Gubera, Locher, Nicoletti, Shoaf, Shriver, Smith, & Wagner  
Webster Hall 245 • 417-625-9565

The Social Sciences department consists of faculty, programs and courses in Anthropology, Geography, History, Political Science and Sociology. Please see these specific headings for more information about each program.

## Social Work

Faculty: White - Chair, Garrity, Wolfe

Mills Anderson Justice Center, Room 126A, 417-625-3144

### Mission

The Social Work Program will provide a learning environment where students are taught to think critically, be creative, participate actively in their education, and grow as individuals while respecting the rapidly changing and



diverse world in which they will live and practice social work. Class work and special student work experiences must demonstrate how to relate effectively to all types of people and to appreciate how emotional, social, economic, political, and spiritual forces influence the behavior of those we are helping. We strive to develop competent, ethical professionals with the knowledge, values and skills for effective practice with individuals, families, groups and communities, and who can provide outstanding leadership in the field of social services.

## Why a Career in Social Work?

**What Social Workers Do:** Professional social workers handle such responsibilities as counseling individuals and families, assisting the homeless in finding places to live, helping those without jobs find educational or training opportunities. They deal with a broad range of social issues that can include child welfare, poverty, aging, social policies and more.

**Job Availability:** According the Missouri Department of Economic Development, Missouri Economic Research and Information Center, the increased demand for social workers in Missouri between 2010 and 2020 will range from 12.9 percent to 27 percent, depending on the area of employment.

**Prepare for Graduate School:** Graduates with a BSW wanting to obtain a Master's in Social Work (MSW) can potentially apply for Advanced Standing status which reduces the graduate credit hours required for completion of the degree.

**Job Satisfaction:** Social work is a career that appeals to those who want to improve the world through caring, professional practice. They go home at the end of the day knowing they have helped people. It is a "hands-on" profession.

## Purpose of the Profession

Purpose of the social work profession is grounded in core professional values of service, social justice, the dignity and worth of the person, the importance of human relationships, integrity, competence, human rights, and scientific inquiry. These values are consistent with the international affairs mission of the university in terms of producing social workers more sensitive to cultural diversity and committed in their ability to contribute to society as a whole. Historically, southwest Missouri and the surrounding area has been underserved by competent, engaged and ethical leaders at the local level. Additionally, the region is beginning to see an

influx of diverse cultures. Thus the mission of the social work department is well matched with the political, economic, social, cultural, and demographic environment of the region and to the purpose of the profession.

## Community Practicum

All students are required to complete two courses in field work/practicum equaling 450 hours of professional social work experience with 100 minutes per week of seminar while enrolled in the field practicum courses. These courses are viewed as the 'capstone' event for the student-integrating the skills, knowledge and values of the profession within a supervised, practice-based opportunity. Practicum sites are approved by the University. The matching of student, field instructor and practicum site is the responsibility of the Field Education Coordinator with input from the student.

## How Do I Enroll?

Any interested student may enroll in the program as a social work applicant, but for full admission to the program a student will need to have completed all their general education courses and an application to the social work department. Typically, students will apply to the program the second semester of their sophomore year but it may occur later, depending on the student's academic progression timeline.

All students fully admitted to the program must have a minimum of a 2.75 GPA in all coursework. Students must maintain a minimum of a 2.75 GPA to graduate from the program.

Application guidelines for full admission to the program for Fall acceptance will be available by February 1st of the prior Spring semester and the deadline to apply will be March 15. Notification of acceptance or denial will be sent to applicant by April 1st.

For more information please visit: <http://www.mssu.edu/academics/arts-sciences/social-work/>

"BE THE CHANGE YOU WISH TO SEE" -Ghandi

For additional information contact:  
Dr. Renee White, LCSW  
Justice Building 155  
417-625-3144 • [White-renee@mssu.edu](mailto:White-renee@mssu.edu)

# Sociology (Social Science)

## Faculty:

Wells-Lewis - Chair, Greer, Gubera, Locher  
Webster Hall 245 • 417-625-9565

## Mission

The primary mission of the Sociology Program is to prepare our students for dynamic leadership and responsible citizenship in their communities, their nation, and the world. The program also contributes to the broader mission of the University by providing students the opportunities to cultivate critical thinking, communication, and technological skills that will develop an awareness of and engagement with the complex social issues of the 21st century. The faculty seeks to offer substantive instruction and intellectual nurture in Sociology, and to assist the advancement of higher-order thinking students can apply to their own lives as individuals, professionals, and citizens. The program's mission includes an emphasis on opportunities to engage the broader international world, consistent with the University's international mission. Finally, the Sociology Program seeks to build bridges and avenues of communication between the University and the community, through academic internships, public events, and partnerships with local institutions, and the sponsorship of academic programs and events for local students and their teachers.

A Bachelor's degree in Sociology prepares students for a variety of occupations and graduate programs. The student may select from a Bachelor of Arts (B.A.) in Sociology or a Bachelor of Science (B.S.) in Sociology. A Bachelor of Science in Education degree - Social Studies major, Sociology emphasis is also available, in conjunction with the Teacher Education program and certifies a student to teach on the secondary school level. Sociology graduates pursue many different careers, which include but are not limited to those in human and social services, human resources, business, or teaching. Advanced graduate or professional school training would also be a choice for the student who successfully completes one of our bachelor degrees.

A minor in sociology provides students majoring in other areas with specialized interpersonal, group, and organizational knowledge and skills.

Our department sponsors a variety of student organizations including the Sociology Club and Alpha Kappa Delta (the national honor society for sociology students).

## For additional information contact:

Dr. Ree Wells-Lewis  
Webster Hall 245  
417-625-9565 • wells-r@mssu.edu

## Theatre

### Faculty:

Jaros - Interim Chair, Ann Lile and Jim Lile  
Thomas E. Taylor Performing Arts Center 237 • 417-625-9393

## Mission

The Theatre Department affirms the mission of Missouri Southern State University and contributes to it by committing to the total education of each student. Every member of the theatre faculty is dedicated to the highest quality teaching and learning of both general education and discipline specific materials. The department prepares its majors for a large variety of careers as well as graduate education. In addition to providing scholarly and creative expression for students through its production program, it exposes the community to a diverse assortment of topical and global issues. The Theatre Department is at the very center of most creative and artistic on-campus and community events through its involvement in all cultural activities housed in Taylor Auditorium.

## Implementation

The theatre faculty works closely with students in an effort to continually improve their learning experiences. Independent studies are offered each semester and new courses are introduced upon students' requests. When possible, instructors take students with them to professional conventions and conferences. Academic and performance requirements are designed to accommodate various learning styles and artistic intelligences. Faculty and students work side by side in our co-curricular production program.

## **A Strong Commitment to International Education:**

The Theatre Department supports the international mission of the university in its theatre classrooms, on its stages and especially in the international plays selected for themed semesters. As students must become aware of the global nature of all information and comprehend the international arena in which most topical issues reside, the theatre continues to provide a fertile ground upon which to inspire such a comprehension. International travel is encouraged for all faculty and students of the department.

## **A Strong Commitment to Liberal Arts and General Education Requirements:**

Every member of the theatre faculty is dedicated to each and every student in the university. TH 0110 - Theatre Appreciation, the departmental General Education/Core 42 Requirements course for area 5B Fine Arts, provides many students with their first theatre experience; an experience about which they can think, speak and write. TH 0220 - Professional Interaction is a new course that is an option for General Education/Core 42 Requirements in area 2B Oral Communications.

## **Scholarly and Creative Expression:**

All theatre productions are the end product of scholarly and creative expressions. Directors, designers and actors continually research different eras, cultures, social mores and customs and historical, economic, political and literary influences in an attempt to bring accurate realities to the stage. The Theatre Department brings a balanced, comprehensive variety of plays to its students and audiences. Additionally, graduating seniors develop and complete a creative project showcasing their unique interests and talents.

## **Community Service:**

All of the Theatre Department's productions, raising a diverse range of topics, are performed for the campus and public communities. The children's theatre program alone, plays to approximately 10,000 people each year. The Theatre

Department is responsible for the operation of Taylor Auditorium, a 2000-seat auditorium that serves as a venue for events sponsored by both on campus organizations and community groups.

Specialized theatre training provides students with a broad academic background that can lead to a number of careers:

Theatre Performance/Design • Television  
Production/Performance • Commercials • Public Relations •  
Stage Management • Graduate Study • Technical Theatre •  
Business • Secondary Education • Ministry • Professional  
Wardrobe Technician • Theme Park Performance/Production

## **Features Unique to Theatre Department:**

1. Working side-by-side with faculty in acting, house and stage management, directing, technical production and design.
2. A children's theatre program performing for more than 10,000 people annually from the four-state area.
3. Theatre faculty members who have professional experience in their teaching specialties.
4. Two theatre organizations: Southern Players and Alpha Psi Omega, a national honorary fraternity.
5. The Missouri Shakespeare Festival.

The Theatre Department offers a Bachelor of Arts degree with a major in theatre and a Bachelor of Science in Education degree with a major in Theatre/Speech. A minor in theatre is also available.

More detailed information is available in the theatre office, Taylor Performing Arts Center 237.

For additional information contact:

Anne Jaros  
Taylor Performing Arts 237  
417-625-3044 • jaros-a@mssu.edu

# School of Business

School Dean

Dr. Jeffrey Zimmerman, Dean

Plaster Hall 302 • 417-625-9319

## Mission

The mission of The Robert W. Plaster School of Business (PSB) is to prepare our students to be responsible, productive professionals who serve in the global business environment. We fulfill our mission through quality programs in a student-centered learning community.

## Learning Goals

### Graduates of the Plaster School of Business will be:

1. Excellent communicators in both writing, listening, & speaking.
2. Highly capable in their field.
3. Globally, culturally, and self-aware.
4. Capable problem solvers, using quantitative & technology tools.
5. Ethical and able to provide excellence in both leadership and support as needed.

## Vision

We will achieve national recognition as being among the most innovative and market-sensitive regional business schools in the country.

## Core Values

- **Learning and Research**

We promote an environment that facilitates and supports learning, collaboration and communication by both faculty and students directed at scholarly activity and the application of knowledge.

- **Community**

We respond to the needs of our global community by preparing responsible, productive citizens for leadership roles and by providing services that support economic development.

- **Innovation**

We cultivate a spirit of entrepreneurship by developing new offerings and activities and by incorporating technological and pedagogical advances that support the learning environment.

- **Social Responsibility**

We believe that faculty and students should engage in activities that foster social and ethical awareness and respond to domestic and international needs for sustainable societies.

- **Continuous Improvement**

We commit to continually assess and improve our current programs and activities that support our mission, vision and core values.

## Accreditation

Programs in the Robert W. Plaster School of Business have earned accreditation from multiple organizations. All Business programs are accredited by the Accreditation Council for Business Schools and Programs. ACBSP is the leading specialized accreditation association for business education to support, celebrate and reward teaching excellence. The Industrial Engineering Technology program is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, <http://www.abet.org>.

## Student Organizations

**The Accounting Club** provides accounting students information about the profession, along with the opportunity to network with practicing accountants. Members can interact through monthly meetings and various social functions and are encouraged to become active in the area's professional accounting organizations. The club publishes an annual Resume Book that is distributed as a resource to area employers that wish to hire new accounting graduates.

**The Finance and Economics Club** is open to all majors who desire knowledge about financial careers and investments. Meetings allow students to network with each other and financial professionals and an annual trip allows students to gain exposure to financial markets and companies.

**Omicron Delta Epsilon** is the honorary economics fraternity open to juniors with at least 15 hours in economics or finance and a 3.5 GPA in economics or finance courses.

**Collegiate DECA** is an international organization that engages students from a variety of educational disciplines while maintaining a strong focus on business-related areas such as marketing, management and entrepreneurship. Competitive events at the state and national levels allow students to gain recognition and develop leadership skills. Meetings provide networking opportunities with business professionals.

**Phi Beta Lambda** aims to develop competent and aggressive business leadership, to create more interest and understanding of American business enterprise and to improve business and citizenship through participation in worthy undertakings. PBL is open to all students.

**Delta Mu Delta** is an international honor society in Business Administration that exists to promote higher scholarship in training for business and to recognize and reward scholastic achievement in business subjects. To be inducted in the Lambda Gamma Chapter, students must major in business and graduate in the top 20% of their class.

**Missouri Southern Business Education Association** is open to all business education majors. Its primary goal is to provide students with information regarding the teaching profession and to prepare them for their careers. Meetings offer students the chance to make important contacts with public school teachers and administrators, state department personnel and other professionals who are featured as speakers.

**The Society of Human Resource Management** is designed to familiarize students with human resource administration, industrial psychology and labor relations. It also functions as a way to keep students up-to-date on new professional human resources developments.

**The Society of Manufacturing Engineers Student Chapter U 178 (SME)** sponsors social and educational events as well as provides students with the opportunity to network and gain the competitive edge needed for building lucrative careers. Club activities include plant tours, homecoming activities, Engineering Technology initiation event, career fairs, and other events.

**The International Business Club** is open to those interested in any facet of international business. Both U.S. and international students are represented. Monthly meetings give

members a chance to hear guest speakers from different businesses engaged in international activities, as well as experience field trips to area businesses.

**Computer Information Science Club** is a forum for CIS students and other interested parties to meet and discuss topics of mutual interest and to network with potential employers and internship opportunities. The club typically hosts 4 or 5 outside speakers a year from nearly every major IT employer in the area. In addition, field trips and visits to such places as Leggett & Platt, Con-Way Truckload, Wal-Mart headquarters, and to the Mountain Underground Data Center have been organized. Through club auspices, members arrange study groups, tutoring, and community service projects and they form a personal network to help each other find internships during school and fulltime jobs after graduation.

**Entrepreneurship Club** is open to all majors who are interested in entrepreneurship while in school or after graduation. Meetings allow students to network with each other and entrepreneurs throughout the region. Students have the opportunity to share their ideas, learn more about entrepreneurship, and host events.

## Economic Development

### Small Business and Technology Development Center

The Robert W. Plaster School of Business, in conjunction with the Small Business Administration, has formed a Small Business and Technology Development Center. The SBTDC was established in April 1987 and is located in the Robert W. Plaster Free Enterprise Center. The SBTDC provides existing and start-up for-profit small businesses in Jasper, Newton, Barton, Vernon, Cedar, Dade, Lawrence and McDonald counties with one-on-one consulting. In addition, the SBTDC assists businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars and workshops for the local businesses.

### The International Trade and Quality Center

The mission of the International Trade and Quality Center in the Robert W. Plaster School of Business is to:



1. Develop international consulting and other relevant services for four-state organizations and individuals who are or wish to be involved in international trade;
2. Assist area organizations in their quest for continuous improvement of products, processes and services to enhance quality while reducing cost;
3. Enhance the business curriculum by providing international and quality resources, internship opportunities and other appropriate assistance for faculty and students.

## Business and Economic Lecture Series

The Robert W. Plaster School of Business sponsors an annual lecture series. Speakers of interest to both students and local business people are featured.

## SBTDC Workshops

The Robert W. Plaster School of Business has established workshops to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

## Professional and Executive Learning

The office of Professional & Executive Learning at Missouri Southern State University seeks to become a recognized engine of economic growth in the 4-state area, anchored by Joplin, MO. Housed in the Robert W. Plaster School of Business, the office of Professional & Executive Learning offers support to the community and organizations through non-credit seminars, certificate programs, solutions consulting, customized learning, and other programs to help individuals, non-profits and businesses in the 4-state region. For more information contact Lisa Robinson at 417-625-9575 or via email.

### Business General Education Requirements

All BSBA candidates must take the following "core" courses in addition to the courses required in their major (see course descriptions for prerequisites):

**Mathematics** - All candidates for the BSBA degree must complete MATH 0129 (Finite Math) or higher as their General Education Core 42 mathematics course.

## Accounting

Faculty:

Schmidt - Associate Dean, Combs, Comstock, Huffman, Mattix, D. Smith and J. Smith  
Plaster Hall 310C • 417.625.9599

## Mission

The mission of the Department of Accounting at Missouri Southern State University is to help meet the needs of our society for business school graduates by providing quality accounting education. Consistent with the University's mission, the Department of Accounting embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive accounting study with a focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communications, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA accounting major course of study is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and/or to enter graduate school. Majors in accounting must earn a grade of 'C' or above in all accounting courses in order to earn a BSBA.

Prospective accounting majors should take note of the requirements for entry into the profession. The State of Missouri requires 150 hours of college credit, including an undergraduate degree, before a candidate may sit for the Certified Public Accountant examination. Most other states have similar requirements. The American Institute of Certified Public Accountants requires new members to have 150 semester hours of college credit in order to join. Accounting majors desiring to meet this requirement should note the "150-hour" recommendations at the end of the BSBA suggested order of study or plan to obtain a graduate degree such as our Master of Accountancy degree.

A minor in accounting for both BSBA and non-BSBA degree candidates is also offered.

## 150-Hour Recommendations

Beyond the Master of Accountancy degree or additional undergraduate accounting courses, the student may find it helpful to concentrate any remaining hours in a single area such as finance, computer science, communications, a foreign language, total quality management or similar pursuits. Students may wish to consider a double-major in Accounting and CIS.

For additional information contact:  
Business Student Advising Office  
Plaster Hall 310  
417.625.3182  
psb@mssu.edu

## Aviation

Faculty :

Plaster Hall • 417.625.9319

The Aviation program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri. Special costs above tuition are required for this course.

**For additional information contact:**  
Plaster School of Business  
417.625.9319

## Business Education

Faculty:  
Block  
Plaster Hall 309Q • 417.625.9603

The Bachelor of Science in Education business major course of study prepares graduates to teach business at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in business courses.

For additional information contact:  
Dr. Beverly Block • Plaster Hall 309Q  
417.625.9603 • block-b@mssu.edu

## Computer Information Science

Faculty:  
Pinet - Chair, Borechert, Collins, and Herr  
Plaster Hall 223 • 417.625.9383

## Mission

The Computer Information Science (CIS) Department provides opportunities for a broad undergraduate education in the many aspects of computer information technology. The program offers courses of instruction that develop a thorough understanding of current methods used in the design and implementation of computer based solutions.

## Fundamental Values

Pursuant to the department's educational mission, the faculty:

- Maintains the currency of the curriculum through ongoing research and consultation with industry representatives.
- Engages in professional development that allows its members to remain current in their fields and to provide technological leadership to the university community.
- Is committed to the success of its students, both during and after college.

## Program Goals

The Computer Information Science program will produce graduates who:

- Understand and can utilize core information technologies.
- Can analyze, design and implement effective technology based solutions.
- Have requisite communication and quantitative skills.
- Work effectively as team members.
- Are committed to lifelong personal and professional development.
- Conduct themselves in an honorable and ethical manner.

## Curricula Options

Within this context, the Department offers the following curricula options:

- Bachelor of Science in CIS-Information Technology

- Bachelor of Science in CIS-Computational Mathematics
- Bachelor of Science in CIS-Computer Forensics
- Associate of Science in CIS
- Minor in CIS-Network Systems Administration
- Minor in CIS-Information Systems
- Minor in CIS-Website Administration
- Minor in CIS-Information Assurance and Security

The three **Bachelor of Science in CIS** alternatives prepare the student for graduate school or entry-level positions such as systems programmer, systems analyst, applications programmer, database administrator, computer forensics analyst, user support specialist, network administrator or website administrator.

**Information Technology** are distinguished by selected courses that develop the student's understanding of an organization's information requirements and procedures for designing and implementing an information system that will facilitate its management. The Information Systems option results in a minor in Business while Information Technology allows the most flexibility in selecting supporting courses.

**Computational Mathematics** meets the requirements for a double major in Computer Information Science and Mathematics. The student takes CIS and mathematics classes that develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

**Computer Forensics** fulfills the requirements for a double major in Computer Information Science and Criminal Justice Administration. Computer Forensics involves techniques for securing computer networks as a precaution against criminal threat. In addition, it includes the identification, extraction, preservation and documentation of computer evidence for the purpose of identifying and prosecuting perpetrators of computer-based crime.

A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement that is becoming increasingly important in almost every area of science, education, business and the arts. The Network Systems Administration alternative is designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software.

The Website Administration curriculum focuses on the knowledge and skills needed to build and provide on-going support for effective and useful Internet websites. The Information Assurance and Security minor develops the skills needed for the protection of computer networks and institutional data.

In addition to these options, the Computer Information Science Department in collaboration with other departments within the Plaster School of Business has developed a curriculum alternative that will qualify the student for a Bachelor of Science in CIS, along with a Bachelor of Science in Business Administration degree with a selected emphasis such as accounting, finance and economics, marketing, management, international business or general business.

The nature of Computer Information Science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations and several have earned graduate degrees.

Only courses in which a student has earned a grade of 'C' or above will satisfy departmental requirements for the major or minor in Computer Information Science.

For additional information contact:

Tracy Houk, Department Administrative Assistant  
Plaster Hall, Room 223E • 417.625.9383 • houk-t@mssu.edu

## Economics

Faculty:

Schmidt-Associate Dean, Abrahams, and Adongo  
Plaster Hall 310C • 417.625.9599

## Mission

Economics is the study of making better decisions regarding the allocation of resources, time, and technology to achieve the best possible outcomes at the individual, organization, national and international levels. Economists provide critical skills in the management of monetary systems, investments, public policy, banking, and legal issues. Recent studies identify a bachelor's degree in economics as the best

preparation for Law School in terms of lifetime earnings of practicing lawyers.

The Economics Program at Missouri Southern offers two track options: One in Business Economics (BSBA) and one in General Economics (BS). The Business Economics track requires students to complete the core classes required for all business majors, whereas the General Economics track allows students to concentrate on Economics, and then choose additional areas of study either in business, or in other areas of social science, public policy, environmental sciences and virtually any other combination of disciplines that are of interest to the student.

For additional information on Economics contact:  
Business Student Advising • Plaster Hall 310  
417.625.3182 • psb@mssu.edu

## Engineering Technology

Faculty:

Howe - Chair, Bartholet, Koch & Marsh  
Ummel Technology 153 • 417.625.9849

## Mission

The Department of Engineering Technology (ET) provides programs designed to develop leaders in industry and society as a whole by providing a quality education to students that is application-oriented and connected to the needs of regional and global businesses.

## Program Educational Objectives

The program educational objectives are broad statements that describe what Industrial Engineering Technology graduates are expected to accomplish within a few years of graduation. The Engineering Technology department at Missouri Southern will produce graduates who:

1. have the technical and managerial skills necessary to develop, implement, and improve integrated systems that include people, materials, information, equipment and energy.
2. function effectively on teams.
3. communicate effectively with professionals and lay audiences.

## Student Outcomes:

The 11 student outcomes for the Industrial Engineering Technology program are listed below. They encompass all of the ABET/ETAC Criterion 3B outcomes. The successful IET graduate will have

1. an ability to demonstrate knowledge of various manufacturing processes and use of modern tools.
  - \* Ability to demonstrate knowledge of various manufacturing processes and use of modern tools.
  - \* Ability to demonstrate expertise in CAD and design principles.
  - \* Ability to apply knowledge, techniques, and skills of probability and statistics.
  - \* Ability to apply knowledge, techniques, and skills of engineering economics.
2. an ability to apply knowledge of mathematics, science, engineering, and technology to problem solving.
3. an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes..
4. an ability to design integrated systems, components, or processes for broadly defined engineering technology problems using appropriate analytical, computational, and application practices and procedures.
5. an ability to function effectively as a member or leader on a technical team.
6. an ability to identify, analyze, and solve broadly-defined engineering technology problems.
7. an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
8. an understanding of the need for and an ability to engage in self-directed continuing professional development.
9. an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity..

10. a knowledge of the impact of engineering technology solutions in a societal and global context..

11. a commitment to (a) quality, (b) timeliness, and (c) continuous improvement.

## Curricula Options

The department offers a variety of instructional programs. These programs are:

- \* Industrial Engineering Technology (IET)<sup>^</sup>, BS
- \* Manufacturing Engineering Technology (MET), AS
- \* Automation, Minor and Certificate
- \* Continuous Process Improvement, Minor and Certificate
- \* Certification - Six Sigma Black Belt and Green Belt
- \* Certification - CNC Operator
- \* Certification- Quality Technician
- \* Industrial Training

<sup>^</sup>\*Designates program that has been accredited by the Engineering Technology Accreditation Commission of ABET.

## Industrial Engineering Technology (IET), BS

The Bachelor of Science in Industrial Engineering Technology program provides a broad curriculum focused on determining the most effective and efficient ways to make a product or to provide a service. Industrial Engineering Technology is concerned with increasing productivity and quality and reducing costs through the management of people, methods of business organization and technology. Industrial Engineering Technologists have skills and knowledge that allow them to work in a wide variety of businesses. The curriculum prepares individuals for positions such as industrial engineer, quality engineer, manufacturing engineer, project engineer, process engineer or improvement specialist, as well as graduate school.

The Industrial Engineering Technology program at Missouri Southern is unique for it will allow students to earn their Six

Sigma Green Belt and/or Black Belt certification should they choose to do so.

## Manufacturing Engineering Technology (MET), AS

The Associate of Science in Manufacturing Engineering Technology program prepares students for a broad range of career opportunities in both traditional and computer-automated manufacturing environments.

Graduates enter employment with positions such as technicians, CNC programmers, first-line supervisors in manufacturing industries or pursue a baccalaureate degree.

Students graduating with the Associate of Science in Manufacturing Engineering Technology may continue their education by pursuing a baccalaureate degree in one area:

Industrial Engineering Technology (IET)

## Automation Minor/Certificate

The use of industrial technology is continually growing throughout the world. There is need for people who know how to program and operate industrial robots. There is also a need for people who understand how industrial robots integrate with manufacturing processes.

The minor/certificate in automation prepares students for automation related careers in process control, manufacturing, computerized hardware/software integration and sustainable automated systems.

The minor/certificate in automation is designed to be taken in combination with the field of Industrial Engineering Technology as well as the fields of Computer Information Science, Computational Mathematics, Physics, and Physics-Engineering.

## Continuous Process Improvement Minor/Certificate

This minor/certificate was developed for non-Engineering Technology majors and focuses on skills and techniques used to improve processes and systems in a variety of industries.



Any student majoring in business, health, criminal justice, CIS, biology, chemistry, technical writing or other fields will increase their competitiveness with this minor because any organization benefits from reducing cost and increasing productivity and quality. Some examples of industries who are looking for improvement analysts include Biotechnology, Pharmaceuticals, Food, Chemical Industry, Healthcare Services, Telecommunications Services, Medical Devices and Supplies, Financial Services, Insurance, Law Enforcement, Business Services, Computer Software, Computer Hardware, Management Consulting Services, Government and Military Engineering Services, Mortgage Industry, Aerospace and Defense, as well as Energy and Utilities.

## **Six Sigma Green Belt and Black Belt Certification**

This program is designed to provide participants with the knowledge, techniques and tools necessary to successfully fulfill the Green Belt or Black Belt role in many sectors of industry.

Six Sigma is a data-driven methodology used to improve a product or process. Six Sigma has become the world standard for manufacturing as well as service companies. Six Sigma is about understanding customer requirements, tying improvements to strategic goals of the company, quantifying the financial benefits of improvement projects and following a disciplined process in applying statistical tools to achieve a "near-perfect" process.

## **CNC Operator Certificate of Competency**

This certificate was developed for non-degree seeking students.

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathes and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

## **Quality Technician Certificate of Competency**

This certificate was developed for non-degree seeking students.

The program is structured to prepare individuals to assure quality in manufacturing and service industries. The trained individual will have the skills to assist a Quality, Manufacturing or Industrial Engineer in gathering and analyzing data pertinent to products and services to maintain and improve quality. The program prepares the individual to work as a Quality Technician, Quality Inspector, Quality Analyst or Process Improvement Technician.

## **Industrial Training**

The department offers professional development opportunities for engineers, technicians and managers in areas of Engineering Technology. Examples of seminar or workshop topics include Lean, Root Cause Analysis, Basic Quality Tools with Minitab, Process Mapping, Failure Mode Effect Analysis, Understanding Heat-Treatment, AutoCad, Six Sigma Green Belt and Six Sigma Black Belt.

## **Facilities**

The department provides an excellent environment for instruction and has several laboratories with sophisticated design, production and testing equipment. The manufacturing laboratory at Missouri Southern State University is a modern facility for learning about manufacturing processes. The lab contains full-size industrial machining and automation equipment including manual lathes and milling machines, CNC machining centers and robots. The material testing lab is a hands-on laboratory where students gain experience on the following equipment: metallurgical prep equipment and microscope, impact tester, universal testing machine, Rockwell hardness tester, micro-hardness tester and precision measuring equipment. Our computer facilities are equipped with personal computers and software including Minitab, Design Expert, Inventor, Solidworks, Mastercam, as well as 3-D printers.

For additional information contact:  
Dr. Elke Howe, Department Chair  
Engineering Technology  
Ummel Technology 153  
417.625.9849 • [howe-e@mssu.edu](mailto:howe-e@mssu.edu)

# Entrepreneurship

Faculty:

Bradshaw - Director, Robinson & Surbrugg  
Plaster Hall 107B • 417.625.9520

## Mission

The Entrepreneurship minor is offered to all degree candidates at MSSU, regardless of their major. The courses will help students identify their own entrepreneurial potential and recognize entrepreneurial opportunities in their environment. The minor will enable students to obtain knowledge useful in pursuing their own new venture start-ups or expanding existing businesses. Entrepreneurship courses are offered via the Internet.

## Professional Credential in Entrepreneurship

A Professional Credential in Entrepreneurship will be offered for anyone including all MSSU students, regardless of major. This certificate will assist individuals with launching and successfully operating a new business venture. Students can earn five separate certificates in entrepreneurship. These courses may be earned via credit or noncredit basis. These courses are offered via the Internet to serve a diverse student body located worldwide.

For additional information contact:

Karen Bradshaw • Plaster Hall 107B  
417.625.9520  
bradshaw-k@mssu.edu

## Finance

Faculty:

Schmidt-Associate Dean, Abrahams, Adongo, and Nichols  
Plaster Hall 310C • 417.625.9599

## Mission

The BSBA Finance major course of study is designed to provide a quality comprehensive educational environment to students for the development of the critical, personal,

professional and intellectual competencies necessary for success in the complex and dynamic global business world.

For additional information contact:

Business Student Advising Office • Plaster Hall 310  
417.625.3182 • psb@mssu.edu

## General Business

Faculty:

Schmidt - Associate Dean, all School of Business faculty  
Plaster Hall 310C • 417.625.9599

## Mission

The BSBA general business major course of study is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors.

Students can obtain the BSBA in General Business via the Internet.

For additional information contact:

Business Student Advising Office • Plaster Hall 310 •  
417.625.3182 • psb@mssu.edu

## International Business

Faculty:

Schmidt - Associate Dean, Buccieri, Marion & Moos  
Plaster Hall 310C • 417.625.9599

The BSBA international business major course of study is designed to provide a quality comprehensive educational environment to students for the development of the critical, personal, professional and intellectual competencies necessary for success in the complex and dynamic global business world.

For additional information contact:

Business Student Advising • Plaster Hall 310  
417.625.3182 • psb@mssu.edu

## Logistics

Faculty:

Howe - Chair

Ummel Technology 153 • 417.625.9849

The more global the economy becomes, the more essential will be those who understand logistics and improved transportation systems. The Logistics Bachelor's degree insures that students have mastery in optimizing the movement of materials and inputs within an organization as well as bringing finished goods to markets and consumers in the most cost effective ways. Our Logistics program gives students a complete grounding in both the leading technologies and practices of top tier professionals. The program is designed to allow students to add a minor in a related field of study that will help them in their career. Typical minors include those in Engineering Technology, Computer Information Sciences, and Business.

For additional information on Logistics, contact:

Dr. Elke Howe, Department Chair

Engineering Technology

Ummel Technology 153

417.625.9849 • howe-e@mssu.edu

## Management

Faculty:

Schmidt - Associate Dean, Dawson, Douglas, Hilton, Marion,

Vernon, Wang

Plaster Hall 310C • 417.625.9599

## Mission

The mission of the Department of Management at Missouri Southern State University is to provide students with a superior education. Faculty combine effective teaching with scholarship and professional service and strive to provide students with practical and theoretical business competencies. These competencies prepare students for leadership positions and service in a diverse, global and competitive economy. Consistent with the university's mission, the Department of Management embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive management study with a

focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communication, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA management major course of study is designed to prepare the graduate for entry-level positions of responsibility in the for-profit, nonprofit and public sectors.

For additional information contact:

Business Student Advising • Plaster Hall 310

417.625.3182 • psb@mssu.edu

## Marketing

Faculty:

Schmidt - Associate Dean, Dunlop, Dunn, Myers, & Yantis

Plaster Hall 310C • 417.625.9599

## Mission

The mission of the Department of Marketing at Missouri Southern State University is to provide students with a superior education. Faculty combine effective teaching with scholarship and professional service and strive to provide students with practical and theoretical business competencies. These competencies prepare students for leadership positions and service in a diverse, global and competitive economy. Consistent with the university's mission, the Department of Marketing embraces an integration of liberal and professional education to enable students to develop the ability to excel in the complex work environment of business. The curriculum combines extensive marketing study with a focus on development of student competencies in the areas of professional integrity, social responsibility oral and written communications, interpersonal relationships, technology management, research experience, international business affairs and critical thinking skills.

The BSBA marketing major course of study is intended to prepare graduates for positions in personal selling, product and services marketing, promotions, consumer behavior, marketing and sales analysis, retailing and supply chain logistics.

For additional information contact:

Business Student Advising • Plaster Hall 310

417.625.3182 • psb@mssu.edu

# Master of Accountancy

Faculty:

Schmidt - Program Director

Huffman, Moos & Nichols

The objective of the Master of Accountancy (MAcc) degree is to give students greater breadth and depth of accounting knowledge and to provide the academic background needed to begin a professional accounting career. Outstanding employment opportunities in public accounting, industry, and government await graduates of the MAcc program. It also meets the "150-hour" education requirement to sit for the CPA examination and for membership in the American Institute of Certified Public Accountants.

The MAcc program is a comprehensive program that develops students' conceptual and technical accounting competence, communication skills, research and analytical abilities, and leadership skills. The Missouri Southern State University MAcc focuses on the common body of knowledge recommended by the American Institute of Certified Public Accountants and builds on the traditional undergraduate accounting courses. Consequently, graduates are well prepared to sit for and pass the CPA exam. However, MSSU takes students beyond the knowledge required on the CPA exam. Students learn the theory behind accounting and auditing procedures so they can adapt to an ever changing environment. The program encourages life-long learning and is unique in two respects: (1) The MSSU MAcc teaches leadership through courses that focuses on the application of leadership in business and accounting organizations. (2) The program also integrates case studies throughout the program in which students learn to use multiple resources to solve management and accounting problems.

An accelerated option is available for eligible MSSU undergraduate accounting majors. Students must apply during the second semester of their junior year. If accepted, students will start taking graduate classes their senior year and waive the MGMT 0452 requirement and replace it with the MGMT 0552 course. This option allows Missouri Southern State University accounting majors to obtain both the Bachelor of Science and MAcc degrees in five years with a total of 151 semester hours rather than the normal 154 hours. Students are also better prepared to obtain an internship or career job earlier in their academic program.

## Admission Requirements - Traditional Program

Admission to the Master of Accountancy program is based on the applicant's undergraduate record, score on the Graduate Management Admission Test (GMAT), and other factors such as work experience and career progression. All applicants are subject to the review and approval of the MAcc Admissions Committee. Requirements include:

1. Baccalaureate degree in accounting from an accredited institution.
2. Undergraduate Grade Point Average (GPA) of 3.2 or higher in the last 60 hours of undergraduate work.
3. Achieve a minimum score of 450 on the Graduate Management Admissions Test on an exam taken within five years of application.
4. Submit a current résumé describing each fulltime professional position held. The résumé must show the month and year that the applicant started and left the position.

**Non-Accounting Degrees:** The traditional MAcc can accommodate students without undergraduate degrees in accounting. Deficiencies in a student's undergraduate business or accounting education must be removed by taking appropriate prerequisite courses. Those courses add to the number of hours required to complete the program. To determine the extent of deficiencies, students should contact the MAcc Program Director for a transcript analysis.

By completion of the MAcc Program, the student is expected to meet the common body of knowledge requirements of the ACBSP. These requirements involve course work in economics, statistics, computer information systems, finance, business law, management and marketing that is essentially equivalent to that required of Missouri Southern State University undergraduate accounting majors.

<b>Courses</b>	<b>Cr. Hrs</b>
Intermediate Accounting	6
Cost Accounting	3
Taxation	6
Auditing	3
Principles of Finance	3
Business Law	3
Microeconomics	3
Macroeconomics	3
Management	3
Marketing	3
Statistics	3
International Business	3

GMAT Waiver: The Program Director may waive the GMAT requirement if one of the following situations is met:

- The applicant has an undergraduate GPA of 3.6 or higher in their last 60 hours,
- The program applicant took the Educational Testing Service's Major Field Test (MFT) at their undergraduate institution and scored at or above the 70th percentile, or
- The applicant holds an advanced degree (e.g., masters, doctorate from an accredited institution).

## Preferred Dates for Applications

The MAcc program normally admits students only for the summer and fall terms with a preferred application date of April 1st. Students considering a spring admission should contact the MAcc Program Director for a transcript review prior to applying to the program.

To ensure time for processing, applications must be completed (including official transcripts and standardized test scores) at least one month prior to the beginning of the term for which the student wishes to enroll. Although every effort will be made to accommodate late applicants, there is no guarantee that a late applicant will be allowed to enroll.

## Conditional Admission

Conditional admission may be granted when recommended by the department and approved by the Dean. For each conditionally admitted student, the department will specify on the admission review form the conditions for obtaining regular admission status, including a specified deadline, if applicable, for meeting these conditions. Conditionally admitted students are ineligible to receive financial aid, including graduate assistantships.

With good justification, this classification can be used when students

1. Have not met the minimum GPA requirement for regular admission; \*
2. Have not submitted all required admission materials prior to initial enrollment (e.g. GMAT or official transcripts); or \*\*
3. Need to complete prerequisites specified by the department offering the graduate program of interest.

## Notes on Conditional Admission

\* In the case of failing to meet minimum GPA requirements for regular admission, the student must obtain a minimum cumulative GPA of 3.00 after the first nine semester hours of graduate course work taken at Missouri Southern State University. The graduate courses taken during this probationary period must apply toward a degree program and be approved by the Program Director. If the cumulative 3.00 GPA is achieved, the student may then request the Program Director reclassify them to regular admission status. If a 3.00 GPA is not achieved, the student will be denied further graduate enrollment at MSSU.

\*\* In the case of failing to submit the required standardized test score or final transcripts, the student must present appropriate documentation no later than the end of the first semester of graduate enrollment. The student will not be allowed to register for additional graduate course credits until the documentation is received by the accounting program.

## Non-degree Seeking

Students who possess the minimum GPA for regular admission may choose to be admitted as a non-degree student. This classification is reserved for students who are undecided about their major field of emphasis, who choose to take work for upgrading their professional skills, or who wish to enroll in work for transferring to another graduate school. Any work taken by a non-degree student may subsequently be applied to fulfilling degree requirements.

## Admission of International Students

International applicants to the MAcc program whose first language is not English must demonstrate a satisfactory level of English proficiency. Students need a strong command of the English language to perform at the graduate level, especially in interactive programs which emphasize teamwork and effective oral and written communication.

Applicants whose first language is not English and who have not earned bachelor's degrees from U.S. institutions will



demonstrate English proficiency by submitting one of the following:

- TOEFL PBT score of 550 or higher
- TOEFL iBT score of 79 or higher
- IELTS score of 6.5 or higher
- 

The English proficiency requirement may be waived at the discretion of the academic department chair if the last four semesters of full-time academic coursework have been completed at an accredited institution in the United States with an overall GPA of 3.00 or higher.

## Admission of Transfer Students and Transfer Credit

No student who has attended another graduate institution and earned less than a cumulative 3.00 GPA on a 4.00 scale will be admitted to the MAcc program at MSSU.

Subject to the approval of the Dean and the appropriate department chair, a maximum of six hours of transfer graduate credit of grade B or above from another accredited institution may be accepted.

All transfer hours must be in courses for which an equivalent MSSU course exists, and no transfer hours may be in extension or correspondence work. A minimum of 24 hours credit in residence at MSSU is required.

## Admission Requirements - Accelerated Program

Admission to the Master of Accountancy Accelerated program is based on the applicant's undergraduate record. Requirements include:

1. Current Accounting major at Missouri Southern State University
2. Submit an undergraduate transcript showing that the following accounting courses are either completed or in process with a minimum of a 3.5 GPA and have earned a minimum overall GPA of 3.6 or higher for their last 60 hours of undergraduate work:

ACCT 0309 - Accounting Information Systems  
ACCT 0312 - Intermediate Accounting I  
ACCT 0322 - Intermediate Accounting II  
ACCT 0375 - Tax Accounting I

ACCT 0385 - Cost Accounting  
ACCT 0408 - Tax Accounting II

3. Submit a current résumé describing each position held in the last five years. The résumé must show the month and year that you started and left each position

**Probationary Admission:** Applicants who do not meet the normal GPA admission requirements but who show indication of high promise will be considered for probationary admission by the MAcc Program Director.

For additional information contact:

Dr. Thomas Schmidt • Plaster Hall 309L  
417.625.3544 • [macc@mssu.edu](mailto:macc@mssu.edu)

## Master of Science in Management

The Master of Science in Management (MSM) program at the Robert W. Plaster School of Business prepares students to assume greater management responsibilities and to more effectively progress in to leadership positions in their chosen career fields. This program is designed to give students flexibility in their program of study, based upon a solid foundation of core courses. The program is offered with convenient evening scheduling for busy working professionals.

Students may choose a program of study in management by completing the core curriculum, and then developing an individual plan of study including electives, directed study, and/or applied research efforts that help them achieve their personal career goals. Students may develop this plan of study with their assigned faculty advisor prior to completing the 18 credit hour core curriculum.

The MSM program also offers a focused track of study in Human Resource Management. The Human Resource Management programs at the Plaster School of Business have been recognized by the Society for Human Resource Management and coordinates with professional certification requirements.

For more information please contact the Plaster School of Business advising office at 417-625-3182, or to apply for admission, please go to [business.mssu.edu](http://business.mssu.edu).

## Admissions Criteria:

The Master of Science in Management is open to students holding a bachelor's degree in any discipline from a regionally accredited university, or recognized equivalent international university. The suggested minimum GPA for entry into the program is a 3.0 on a 4.0 scale. Applicants with a lower GPA may be considered due to special circumstances, such as the difficulty of their undergraduate degree program, or demonstrated evidence of significant career achievement. In some cases, a GMAT or GRE test score may be recommended to assess the potential for success in the program.

Given that a study of business and management often includes quantitative reasoning and skills in using technology, it is recommended that students come into the program prepared to use these tools. Many good online review options exist in this regard. For a list of possible aids please call our business student advising office at the number listed above.

To apply for this program, students need to complete the online application at [www.mssu.edu](http://www.mssu.edu) and fulfill all requirements outlined on the Application for Graduate Admission for the Master of Science in Management. This includes: 1) payment of the application cost; 2) providing official transcripts of undergraduate work showing bachelor's degree(s) earned; 3) providing a current resume; and 4) providing a personal goals statement.

Students are strongly encouraged to begin this program in the Fall semester. Completed applications for admission should be filed with the Admissions office no later than July 15 for Fall admission, December 1 for Spring admission, and April 15 for Summer admission.

For additional information contact:

Dr. Chris Moos  
Plaster Hall 309O

417-625-9703 • [moos-c@mssu.edu](mailto:moos-c@mssu.edu)

# School of Education

School Dean

Lorinda Hackett, Interim Dean

Taylor Hall 128A • 417-625-9307

## Mission

The mission of the Missouri Southern School of Education is to create an inclusive and equitable learning environment that promotes intellectual and personal growth through scholarship, research and practical application.

## Objectives

The objectives of the School of Education are:

1. to ensure the transmission of knowledge regarding the social, historical and philosophical foundations of each discipline;
2. to foster an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contributions made by various cultures in each discipline;
3. to integrate and apply technology relevant to research and professional productivity;
4. to develop critical thinking, communication and professional collaboration skills;
5. to instill an awareness and understanding of the personal and professional impact of participation in professional organizations and a commitment to life-long learning;
6. to develop professional attitudes and ethical standards;
7. to support opportunities for faculty and staff to remain current and to conduct research in their respective disciplines;
8. to provide instructional facilities and equipment essential to the delivery of effective instruction;
9. to encourage faculty to provide consultation services and to otherwise serve as resources for the area and,
10. to maintain the viability of the School of Education's programs through systematic and continuous assessment, evaluation and modification.

# Kinesiology

Faculty:

Beeler - Chair, Bruggeman, Cullers, Mitts, Schiding and Smith

Robert E. Young Gymnasium • 417-625-9316

## Mission

The Department of Kinesiology supports the Missouri Southern State University mission to offer a liberal arts baccalaureate program that fosters the total education of each student. The department emphasizes quality teaching and academic advising, while promoting dedicated community and university service. The curriculum prepares future professionals to be successful at promoting healthy, active lifestyles in a global society.

The Kinesiology Department offers two degrees: the Bachelor of Science in Education degree (BSE) with a major in Physical Education K-12 and the Bachelor of Science degree (BS) with a major in Health Promotion and Wellness.

Candidates in the Department of Kinesiology are strongly encouraged to become involved in the profession through professional development, professional clubs and organizations, leadership opportunities and service. The Department's programs of study reflect guidelines from the Council for the Accreditation of Educator Preparation (CAEP), the Society of Health and Physical Education (SHAPE America), Missouri Department of Elementary and Secondary Education (DESE), the American College of Sports Medicine (ACSM), the American Red Cross and requirements from the School of Education at Missouri Southern State University. Students studying in the Department of Kinesiology must earn a grade of 'C' or better in all required courses with a KINE, BIO, EDUC or PSY prefix.

## Advisement

The Department of Kinesiology assigns academic advisors to candidates following admission to the University. Those without an assigned Kinesiology advisor, but who have declared a major in the Kinesiology Department, should contact the Department Chair or administrative assistant for an advisor. Academic advising is a collaborative relationship between the student and academic advisor. The academic advisor facilitates and outlines the steps for achievement of the

students' personal, academic and career goals and encourages student access to a variety of resources and services available on the MSSU campus. The advisor/student partnership requires participation and involvement of both the advisor and the student; however, meeting the degree requirements is ultimately the responsibility of the student.

## Physical Education Teacher Education (PETE)

Students who desire certification as a teacher of physical education will become qualified at both the elementary and secondary level (K-12). Physical Education K-12 majors should refer to Missouri Southern's Teacher Education program. . In order to graduate from the Teacher Education Program, the candidate must successfully complete the exit requirements, in addition to all other academic requirements of the University. The candidate must pass the Missouri Content Assessment Exam (MoCA) in K-12 physical education, maintain a cumulative GPA of 2.75 or higher and a cumulative GPA of 3.0 or higher in the teaching specialty area and in DESE approved coursework. Additional department/content requirements may apply.

All Teacher Education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the Council for the Accreditation of Educator Preparation (CAEP).

## Health Promotion and Wellness

Graduates in this major will be prepared to promote life-style strategies to prevent illness and improve quality of life. Students seeking the health promotion and wellness degree must choose a clinical or non-clinical track and will actively participate in an internship experience in their final semester. Upon completion of the program, graduates may seek professional opportunities in a wide variety of areas including, but not limited to:

- Fitness/Wellness Industry
- Population Health
- Athletic Coaching
- Fitness and Sport Management
- Registered Dietician (RD) or Registered Dietician Nutritionist (RDN)
- Community Health/Wellness
- Corporate Wellness

- Personal Training
- Group Exercise/Fitness
- Certified Strength and Conditioning Specialist
- Public Health
- Cardiac Rehabilitation
- Senior Center
- Long-Term Care Center
- Physical Therapy or Physical Therapy Assistant
- Occupational Therapy or Occupational Therapy Assistant
- Chiropractic Care
- Physician Assistant
- Athletic Training
- Exercise Physiology
- Youth/Sport Camps
- Fitness/Medical Sales

**Note:** Several career options require additional schooling and/or certifications.

Students who wish to pursue the degree in Health Promotion and Wellness must have a cumulative GPA of 2.5 for all university course work prior to admission into KINE 0491 - Internship in Wellness .

## Additional Interest Areas:

### Health

The Missouri Department of Elementary and Secondary Education (DESE) identifies Health as a certification area. To teach health in the State of Missouri, one must be certified to teach in Missouri and pass the Missouri Content Assessment (MoCA) #041. Courses related to health education content and teaching methods are offered at Missouri Southern.

### Coaching

There is a high demand for quality athletic coaches, both interscholastic and youth coaches, as well as a demand for quality game officials. The coaching certification program, offered by the Kinesiology Department, is designed to improve the coaching effectiveness and efficiency of both educators and non-educators interested in athletic coaching. The Missouri State High School Activities Association (MSHSAA) provides the requirements for Missouri interscholastic coaches in the MSHSAA Official Handbook, Section 3: Athletics By-Laws

<http://www.mshsaa.org/resources/pdf/Official%20Handbook.pdf>. In the state of Missouri, coaching levels and minimum requirements are outlined for the Head Coach, Assistant Coach, Student Teacher and Hardship Coach. For the coaching requirements of another state, students will need to contact the state's governing agency. For students with an interest in athletic coaching, the Kinesiology Department offers a 21-hour Coaching Certificate to strengthen the student's career preparation. Certificates may be earned independently from a degree.

## Population Health

Healthcare is moving from a treatment model to a model of prevention. Prevention is more economical than treatment based healthcare. Population health is a relatively new term, often described using the Kindig and Stoddart (2003) definition as "an approach that focuses on interrelated conditions and factors that influence the health of populations over the life course, identifies systematic variations in their pattern of occurrence, and applies the resulting knowledge to develop and implement policies and actions to improve the health and well-being of those populations." The Kinesiology Department offers a 17-19 hour Population Health Certificate to strengthen the student's career preparation. Certificates may be earned independently from a degree.

## Athletic Training

To become a certified athletic trainer, one must pass the National Athletic Training Examination. Only persons with a degree in Athletic Training are eligible to take the exam. Missouri Southern does not offer a degree in Athletic Training; however, for students who desire to pursue athletic training at the graduate school level, we do offer a number of related courses, as well as opportunities for "hands on" learning.

## Student Organization

Kinesiology Club (K-Club) is a registered student organization (RSO), open to all students who are interested in promoting healthy, active lifestyles in a global society. The club provides additional opportunities for leadership, professional learning and career preparation. K-Club sponsors a wide variety of social, service and professional learning events each semester.

For additional information contact:  
Dr. Sheri Beeler, Department Chair  
Young Gymnasium 215  
417-625-9544  
[beeler-s@mssu.edu](mailto:beeler-s@mssu.edu)

## Psychology

Faculty:  
Hackett - Chair, Adamopoulos, A. Cole, C. Cole, Huffman,  
Kostan & Tucker  
Health Sciences Building 241 • 417-625-9315

## Mission

The Psychology Department at Missouri Southern provides an education in the diverse field of Psychology. The core of the Psychology curriculum reflects the breadth of the field and exposes students to new developments, while allowing students to pursue individual academic interests. The department maintains a special emphasis on research and prepares students to effectively analyze, synthesize and present information about the science of behavior and mental processes. Our mission is to help students develop the critical thinking and communication skills they can use in their careers.

The Psychology Department offers two degrees: the Bachelor of Arts (BA) and the Bachelor of Science (BS). These degrees have the same General Education and Psychology course requirements. In addition, the BA includes an emphasis on foreign language and the BS includes an emphasis in science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with both degrees have entered careers in human and social services, research and business. The BA and BS degrees provide an excellent foundation for students who wish to earn advanced graduate degrees or go to professional school. Almost half of the recent graduates have entered into graduate programs.

The Psychology Department also provides courses to meet the needs of other majors. PSY 0100 fulfills a General Education Requirement. Students may also earn a minor in psychology.

In order to graduate with a major in Psychology, a student must meet the following requirements:

1. Earn a 2.50 or above overall GPA.
2. Earn a 2.50 or above in the Psychology major.



## Student Organizations

**Psychology Club** is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of social and intellectual activities each semester.

**Psi Chi - The International Honor Society in Psychology** recognizes academic excellence and stimulates further scholarship. **Psi Chi** members are invited to participate in national and regional professional events. Locally, **Psi Chi** members share many activities with the Psychology Club.

For additional information contact:

Dr. Holly Hackett  
Health Sciences 234  
417-625-9835  
hackett-h@mssu.edu

## Teacher Education

Faculty:

Craig - Interim Chair, Augspurger, Beachner, Beaver, Day, Gober, Goswick, Hicklin, Locher, Mascher, Neugebauer, Rice, Schisler and Stegall  
Taylor Hall 228 • 417-625-9309

The mission of the Teacher Education Department is to develop reflective educators for a global society

## Vision

The MSSU Teacher Education faculty and staff are dedicated to developing competent teachers who will incorporate into their classrooms a strong foundation of knowledge and pedagogy; a lifelong love of teaching and learning; and motivation to improve practice through reflection, self-study and professional development. It is our goal to assure that all candidates become ethical classroom practitioners, cognizant of the need to help all students meet their full learning potential.

All Teacher Education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the Council for the Accreditation of Educator Preparation (CAEP).

## Program Objectives

Objectives for all programs in Teacher Education can be found in the Teacher Education Program Policy Handbook for Faculty and in the Teacher Education Program Policy Handbook for Students. Objectives for the student teaching program can be found in the Policy Handbook for Teacher Candidates, Cooperating Teachers and University Supervisors.

## Teacher Education

The descriptions of the Teacher Education programs and the requirements that are listed for each program in Teacher Education in this catalog are subject to change during the period that this catalog is in use as required by external agencies. As changes are made by the State Department of Elementary and Secondary Education (DESE), legislative and regulatory bodies and accrediting agencies; candidates in the program will be alerted through the advising process. Teacher Education candidates are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisors.

Eligibility for current certification is a requirement for graduation. Transfer students with a Missouri Associate of Arts degree will need to meet several MSSU General Education/Core 42 Requirements. The Assistant Teacher Certification Officer, Taylor Hall 221, must complete a transcript evaluation as the general education requirements are not automatically complete for certification.

The Teacher Education Program consists of the Teacher Education Department, Arts & Science faculty, the Teacher Education Advisory Council and CAEP sub-committees. The Teacher Education Department oversees all Teacher Education programs and is specifically responsible for the elementary education program grades 1 through 6; early childhood education program, birth through grade 3; middle school program, grades 5 through 9; special education programs, grades K through 12 and English Language Learners, grades K through 12.

The Dean of the School of Education is the chief spokesperson for the Teacher Education program and in this capacity is the chief administrator responsible for the Teacher Education programs. The Dean serves under the direction of the President of the University and the Provost/Vice President for Academic Affairs.

The Teacher Education Program defines the role of the teacher as a reflective decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Teachers must think critically, formulate decisions related to the multiple roles of teaching for its successful achievement and become reflective educators for a global society.

Preparation for teaching includes professional knowledge, skills and dispositions that have been gathered from research, reported effective practices, from learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical and philosophical foundations, principles of effective instruction and school effectiveness.

In order to be an effective educational decision maker, the teacher must possess certain knowledge, cognitive abilities and pedagogical skills. The current Missouri Standards for Educator Preparation are:

1. The teacher candidate understands the central concepts, structures, and tools of inquiry of the discipline(s) and creates learning experiences that make these aspects of subject matter meaningful and engaging for students.
2. The teacher candidate understands how students learn, develop, and differ in their approaches to learning. The teacher candidate provides learning opportunities that are adapted to diverse learners and support the intellectual, social, and personal development of all students.
3. The teacher candidate recognizes the importance of long-range planning and curriculum development. The teacher candidate develops, implements, and evaluates curriculum based upon standards and student needs.
4. The teacher candidate uses a variety of instructional strategies to encourage students' critical thinking, problem solving, and performance skills including instructional resources.
5. The teacher candidate uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive active engagement in learning, positive social interaction, and self-motivation.
6. The teacher candidate models effective verbal, nonverbal and media communication techniques with students and parents to foster active inquiry, collaboration, and supportive interaction in the classroom.
7. The teacher candidate understands and uses formative and summative assessment strategies to assess the learner's progress, uses assessment data to plan ongoing instruction, monitors the performance of each student, and devises instruction to enable students to grow and develop.
8. The teacher candidate is a reflective practitioner who continually assesses the effects of choices and actions on others. The teacher actively seeks out opportunities to grow professionally in order to improve learning for all students.
9. The teacher candidate has effective working relationships with students, parents, school colleagues, and community members.

## Admission to the Teacher Education Program

After the candidate declares a major in Teacher Education, two levels of admission to the Teacher Education Program exist.

The first level is application for tentative formal admission, which may be after the candidate has declared a teacher education major and successfully completed 60 semester hours of prescribed course work or department chair approval.

Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (EDUC 0321, EDUC 0329, & EDUC 0423) has been completed.

EXCEPTIONS: EDUC 0100, EDUC 0280, EDUC 0302 and EDUC 0380 should be taken prior to the Junior Block. EDUC 0316, EDUC 0323, EDUC 0340, EDUC 0422 may be taken concurrently with the Junior Block classes. Students may take EDUC 0480 (concurrent enrollment with Junior Block) rather than EDUC 380.

### Qualifications for tentative formal admission include the following:

1. Have a cumulative GPA of 2.75 in all course work. Additional department/content requirements may apply.
2. Pass all sections of the state required entrance exam, Missouri General Education Assessment (MoGEA - \$49 for all four sub-tests in a single session with a \$15 sitting charge/\$25 per single subtest with sitting charge). This test is not required of post baccalaureates.
3. Have a composite ACT enhanced score of 20 (for candidates with an SAT score see the department of Advising, Counseling and Testing Services for conversion). Residual ACT test cost: \$55. An ACT super

score of 17 **may** qualify for an approved waiver. See your Teacher Education advisor.

4. All applicants must complete a required background check, receive clearance and obtain a substitute teaching certificate.
5. Complete and submit an online application.
- 6.

Attendance is required at a junior block orientation meeting. This orientation is held the week prior to classes beginning the junior block semester. When candidates attain these qualifications, they will receive tentative formal admission to the Teacher Education program and subsequent notification.

The second level is formal admission, which is granted after the candidate successfully completes the eight credit hour Junior Block: EDUC 0321, Microteaching; EDUC 0329, Pedagogical Theory, Methods and Practices; and EDUC 0423, Classroom Management. Candidates are approved by the Teacher Education faculty.

The candidate must maintain a cumulative GPA of 2.75. If at any point in the program a candidate's GPA drops below accepted levels, the candidate will be dismissed from the Teacher Education program.

Grades below a 'C' in professional education courses will not be accepted for the degree requirements in Teacher Education. Candidates seeking certification in elementary education, middle school education, secondary education, special education and early childhood education must have a grade of 'C' or better in each of the courses in these certification areas.

The following list are courses at MSSU that must have a grade no lower than a 'C'.

**A) ALL "EDUC" prefix classes**

**B) Psychology classes:**

PSY 0100 - General Psychology

PSY 0310 - Educational Psychology

**C) Elementary Education Requirements:**

GEOG 0101 - Introduction to Geography 3 or GEOG 0111 - World Regional Geography 3

ECON 0101 - Economics of Social Issues 3

MATH 0119 - Math for Elementary Teachers I 3

MATH 0120 - Math for Elementary Teachers II 3

ENG 0325 - Children's Literature 3

ART 0220 - Art for the Elementary School Teacher 2

MUS 0332 - Music for the Elementary School 1

KINE 0311 - Physical Education for the Elementary School 2

KINE 0370 - School Health Education 2

GEOL 0211 - Fundamentals of Earth and Space Science 4

Candidates qualifying for formal admission to the program will be notified in writing. The date of formal admission will be entered on the candidate's record by the Registrar.

Candidates who have not met the criteria will also be notified and corrective measures suggested.

## Admission to the Professional Semester

After completion of EDUC 0329, Pedagogical Theory, Methods and Practices, but before the professional semester, candidates in early childhood education, elementary education, middle school education and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time, the candidate must maintain a cumulative GPA of 2.75 or better and a GPA of 3.0 or better in the teaching specialty and in the Professional Education coursework (See DESE Matrix). The candidate must earn a 'C' or better in all professional education courses and must retake courses in which a grade lower than 'C' is earned. Additional department/content requirements may apply. The candidate is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to the professional semester are:

1. Be fully admitted to the teacher education program.
2. Have a cumulative GPA of 2.75 and a GPA of 3.0 in the teaching specialty area(s) and DESE approved coursework.
3. Have all previous course work completed at the time of student teaching.
4. Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
5. Have a grade of 'C' or better in each professional education course.
6. Have an approved autobiography on file.
7. Show proof of liability coverage.
8. Hold a current substitute certificate.
9. Take the Missouri Content Assessment (MoCA-\$30 for a single subtest-\$165 for all subtests. This amount varies depending on exam) for the degree-related certification area.

The professional semester is designed for candidates who have met all of the requirements for student teaching at Missouri Southern State University. Attendance is required at an orientation the semester prior to the professional semester. This orientation is held the second week of the semester. Attendance is also required at professional semester seminars.

**Note:** In accordance with Mo. Rev. Stat. 168.400 (2005) and Mo. Code Regs. 5 CSR 80-805.40. Alternative clinical practice in lieu of conventional student teaching. Candidates must see the Teacher Education Clinical Field Director for eligibility requirements. All other university and departmental requirements for graduation still apply.

## Graduation Requirements

In order to graduate from the Teacher Education Program, the candidate must successfully complete the following exit requirements, in addition to all other academic requirements of the University:

1. Demonstrate mastery of pedagogical knowledge and skills found in the Missouri Standards for Educator Preparation.
2. Pass the Missouri Educator Evaluation System (MEES).
3. Have a cumulative GPA of 2.75 or higher
4. Have a cumulative GPA of 3.0 or higher in the teaching specialty area and in DESE approved coursework. Additional department/content requirements may apply.
5. Pass the Missouri Content Assessment Exam in the major area or areas (MoCA-\$65-\$150 depending on exam).
6. Successfully complete the professional semester requirements.
7. Complete the exit interview.
8. Clear the state required background check (certification only).
9. Be eligible for current Missouri teacher certification.

## Advisement

Advisors will be assigned to candidates following admission to the University. For those without advisors, freshmen with declared majors in teacher education will have a Teacher

Education advisor assigned as part of EDUC 0100, Introduction to Teacher Education I. In addition, all secondary Teacher Education majors will have advisors in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for Teacher Education. Effective academic advisement is a partnership, with advisees taking responsibility for course work and degree completion.

All students who enter Missouri Southern as freshmen teacher education candidates are strongly recommended to take EDUC 0100 - Introduction to Teacher Education I, during their freshman year. EDUC 0100 is required for ALL elementary education majors (less than 30 credit hours, beginning fall 2017).

## Psychology Requirements

All teacher education majors must take PSY 0100 General Psychology and PSY 0310 Educational Psychology.

### Certification

Candidates majoring in elementary education, elementary education/early childhood education, elementary education/special education, middle school education, secondary education or K-12 education, who successfully complete the requirements for this degree will be recommended to the Department of Elementary and Secondary Education for the Initial Professional Certificate (IPC). This is a probationary certificate that is granted for four years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Candidates with degrees from MSSU or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the BSE degree. All programs are designed to exceed minimal requirements for certification.

## Exceptions to the General Education/Core 42 Requirements:

Elementary education majors must complete GEOL 0211 - Fundamentals of Earth and Space Science .

## Physical Education Requirements

All teacher education candidates must meet the General Education Requirements with the exception of elementary education, early childhood education or special education candidates. These candidates are not required to take KINE 0103 Lifetime Wellness. In place of this course, these teacher education candidates are required to take KINE 0370, School Health Education and KINE 0311, Physical Education for the Elementary School.

## Bachelor of Science in Education (BSE) Elementary Education

An added certification is available in early childhood education (birth-grade 3), special education (K-12), and English Language Learners-ELL (K-12). A course of study for these certificates is available in the Teacher Education Department office. The elementary professional education sequence (1-6) must be followed along with the selected area of the added certificate. Any BSE graduate is eligible to add ELL certification.

## Master of Science in Education (MSEd)

### MISSION

The mission of the Teacher Education Department is to develop reflective educators for a global society.

### VISION

The MSSU Teacher Education faculty and staff are dedicated to developing competent teachers who will incorporate into their classrooms a strong foundation of knowledge and pedagogy; a lifelong love of teaching and learning; and motivation to improve practice through reflection, self-study, and professional development. It is our goal to assure that all candidates become ethical classroom practitioners, cognizant of the need to help all students meet their full learning potential. All Teacher Education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE), the Higher Learning

Commission (HLC), and the Council for the Accreditation of Educator Preparation (CAEP).

The department of Teacher Education offers three options for a Master of Science in Education (M.S.Ed.): Administration, Curriculum & Instruction, and English Language Learners.

## Master of Science in Education - Administration

This program aligns with the Missouri Leader Standards, which emphasize the school leader as a competent manager and instructional leader who continuously acquires new knowledge and skills and is constantly seeking to improve leadership practice to provide for high academic achievement for all students. Courses and assessments in this program encourage prospective school leaders to exercise good professional judgment and to use these standards to inform and improve their own practice. During the capstone semester, students will complete the Missouri Performance Assessment for Aspiring Building Administrator. Students will also register for and complete the Building-Level Administrator Missouri Content Assessment prior to graduating from the program.

This M.S.Ed., Administration program follows a cohort structure allowing two courses per semester (6 credit hours) which will be offered sequentially in separate 8-week sessions. The program is offered in an online format with on-ground internship requirements. Requirements for thesis, internship or other capstone experience(s) will align with Portfolio (MoSPE Standards) and the Missouri Leadership Development System expectations.

For more information on the MSEd - Administration program [click here](#).

## Master of Science in Education - Curriculum & Instruction Degree

Classes in the Master of Science in Curriculum and Instruction are offered completely on-line. It is recommended that students take six hours per semester (fall, spring, and summer) and can finish in six semesters. The program and instruction have been designed for professional educators who want to continue their education around their busy schedules. Faculty members who teach in the M.S.Ed., Curriculum and Instruction program are experienced educational leaders and



content specialists. The program provides teachers and other professionals with an opportunity to expand their knowledge in education, improve their practice and learn how to better plan and carry out their curriculum.

For more information on the MEd - Curriculum & Instruction click program here.

## **Master of Science in Education - English Language Learner (ELL)**

This M.S.Ed, ELL program follows a cohort structure allowing two courses per semester (6 credit hours). All courses are offered online. This degree is designed for teachers who wish to obtain Missouri ELL certification or other educators who wish to increase knowledge and skills in the ELL field. There are 21 content knowledge hours required for certification and then students may choose 15 additional credit hours from the list of Teacher Education electives below. The content knowledge courses are the only certification requirements if the student has already met the psychology/exceptional child and literacy requirements (most often met with a B.S.E.) The entire degree can be completed in 2 years (fall, spring, and summer).

For more information MEd - English Language Learner program click here.

## **Admission to the Master of Science in Education programs**

Complete application for admission and pay application cost. (See US Citizens Application).

Possess and earned baccalaureate degree in a related field from an institution accredited by agencies recognized by Missouri Southern State University.

Have your official undergraduate transcript and any graduate program transcripts submitted to the MSSU Admissions Office at [admissions@mssu.edu](mailto:admissions@mssu.edu) or mailed to Admissions at 3950 E. Newman Road, Joplin, MO 64801. Undergraduate and graduate transcripts must show a minimum overall grade point average of 3.00. (2.75 for tentative admission) effective for Fall 2018 applicants not approved by May 1, 2018.

Submit to [tegradprgm@mssu.edu](mailto:tegradprgm@mssu.edu) a writing prompt (between 500-1,000 words). Refer to the specific program link for writing prompt details.

Submit to [tegradprgm@mssu.edu](mailto:tegradprgm@mssu.edu) a current resume.

Three references are needed. Use the student form here and the reference form here. The reference form link will need to be shared with 3 persons that are references for the applicant. One education administrator and two professional education colleague submissions are needed for the student application file.

A video recording, no longer than 5 minutes, of candidate describing:

- Introduction of self
- Professional background
- Professional goals
- Reason for applying to the program
- 

Submit to [tegradprgm@mssu.edu](mailto:tegradprgm@mssu.edu) or mail to Teacher Education Graduate Program, 3950 E Newman Road, Joplin, MO 64801.

A copy of current teaching certificate.

Application materials are due by:

**August 1 for the Fall Semester.**

**January 1 for the Spring Semester.**

**May 1 for the Summer Semester.**

For additional information contact:

Gene Taylor Education  
Graduate Office • 417.625.9314  
[tegradprgm@mssu.edu](mailto:tegradprgm@mssu.edu)

# School of Health Sciences

School Dean

Dr. Richard Schooler

Health Sciences Building 112 • 417-625-3155

## Mission

The Mission of the School of Health Sciences is to develop highly competent professionals through innovative academic programs supported by the liberal arts and global perspectives curriculum. The school is dedicated to the advancement of knowledge and skills with integration of inter-professional education for the improvement of society and service to all its stakeholders.

## Role

The School of Health Sciences is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under the leadership of professional educators who also have the advantage of actual work experience in business, industry, health care and government. Instruction is further enhanced by the utilization of qualified individuals from business and professionals in the community as guest lecturers and part-time instructors.

Courses offered by individual departments within the School of Health Sciences are specifically career oriented toward a specialized field. The faculty in these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think are a required part of each department's curriculum. As a result, the students majoring in the various curricula in the School of Health Sciences are an integral part of the entire student body.

All courses offered in the School of Health Sciences are designed to provide students with the experience, skills or expertise that enable them to enter their professional field and meet requirements imposed by any certifying and licensing examination that may be required.

The School of Health Sciences also recognizes that in many respects the community is also a classroom. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular university instructional personnel.

The School of Health Sciences offers curricula leading to a Bachelor of Science and Associate of Science degrees as well as certificates. Programs of shorter duration required for licensure or certification also are offered. Numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public services.

All departments work closely with advisory boards composed of professionals from area health care agencies. The advisory board assists the faculty of the various departments in maintaining relevancy of curriculum content and identifying special needs that can be addressed through continuing education programs.

## Goals

The goals of the School of Health Sciences are:

1. To provide opportunities for students to prepare for a broad range of established and emerging careers;
2. To maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society to become a contributing member of their society;
3. To provide programs in the most cost effective method possible that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
4. To provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;
5. To provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
6. To provide a variety of supportive functions that serve a variety of area needs;
7. To offer quality programs, and in areas where required, maintain program content necessary for special accreditation;
8. To offer a variety of continuing education programs to meet special needs and demands;
9. To encourage faculty to provide consultation services and otherwise serve as resources for the area;

10. To advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
11. To assist faculty to meet and maintain eligibility for special certification required in numerous programs.

## Dental Hygiene

Faculty:

Rogers - Interim Chair, Cantrell, Corum, Merritt and Harshaw

## Mission

Missouri Southern State University Dental Hygiene program empowers students to become life-long learners and facilitate the development of ethical and competent oral healthcare professionals, who provide patient care to a diverse population utilizing innovative technologies.

## Goals

First, to provide quality education that reflects best practices in dental hygiene in order to become an ethical licensed oral healthcare professional. Second, to provide comprehensive dental hygiene services to the communities served by Missouri Southern State University. Third, to promote the significance of dental hygiene professional development and commitment to life-long learning.

The dental hygienist is a licensed healthcare professional and member of the dental health team. The diverse duties of the dental hygienist include performing oral prophylaxis and periodontal assessment and therapy; collecting and evaluating medical history information; performing head and neck screening examinations; periodontal assessment and therapy; applying agents for the prevention of decay; applying desensitizing and antimicrobial agents and administering local anesthesia and nitrous oxide analgesia; and exposing and interpreting radiographs. The dental hygienist acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental

schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an Associate of Science degree in Dental Hygiene. Upon satisfactory completion, graduates are eligible to take the National Dental Hygiene Board Examination and practical examinations required for licensure in Missouri and other states. The MSSU Dental Hygiene Program is accredited by the Commission on Dental Accreditation (CODA).

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the University, candidates must apply for admission to the Department of Dental Hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by January 31. Applicants must have a minimum overall GPA of 2.75 to apply.

Application consideration requires evidence of satisfactory completion of the following prerequisites with a grade of 'C' or better within two attempts:

ENG 0101 - College Composition I (Writing Intensive)  
 BIO 0121 - Human Anatomy and Physiology I  
 BIO 0221 - Human Anatomy and Physiology II  
 BIO 0231 - General and Medical Microbiology  
 CHEM 0121 - Chemistry for Allied Health Sciences and  
 CHEM 0122 - Chemistry for Allied Health Sciences  
 Laboratory OR CHEM 0140 - General Chemistry I and  
 CHEM 0141 - Gen Chemistry I Laboratory  
 COMM 0100 - Oral Communication  
 MATH 0030 - Intermediate Algebra (or higher)

In Addition to completing the prerequisite courses, applicants will be required to complete the HOBET test (Health Occupations Basic Entrance Test) with a minimum score of 43.

Enrollment is limited by selection and applicants are admitted contingent upon a criminal record check, random drug testing, the completion of physical, vision and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year. As students in a health care profession, Dental hygiene students may be exposed to blood borne pathogens and infectious diseases, as a result must meet the CDC immunization recommendations for healthcare workers.

Additional charges are incurred by Dental Hygiene students including (but not limited to) laboratory costs, various

expenses for transportation to off campus clinical sites and professional meetings, licensure exams, and equipment.

The Associate of Science in Dental Hygiene requires a minimum of 90 credit hours, including the prerequisite courses. Course grades of 'C' or above in Dental Hygiene and supporting science courses are necessary for retention in the Dental Hygiene program.

For additional information contact:

Kim Rogers

Health Science Building 140

417-625-9754

rogers-k@mssu.edu

## Health Science

Faculty:

Lee, Pippin, Rogers, Schiska, Schooler, and Strait

Health Sciences Building 112 • 417-625-9328

## Mission

The mission of the Health Science degree is to provide a comprehensive baccalaureate degree that complements an associate allied health major or those pursuing a career in the non-clinical or healthcare administrative area of health care..

The degree is designed to promote critical thinking, communication, information skills, and leadership with a commitment to lifelong learning. Our graduates are academically prepared to pursue opportunities for advancement or graduate school.

## Program Goals and Objectives:

### GOAL:

The student will obtain the knowledge and skills needed to advance the health and quality of life.

### Objectives

- Students will analyze current research and health data; in order to make evidence-based decisions for health services and patient care. ( HS 0402 )
- Students will recall the evolution of the U.S. health system and the major settings, providers, and funding for the delivery of public and private healthcare services. (HS 0390)

### GOAL:

The student will have the fundamental academic skills to be an effective communicator and discuss problems of access to healthcare for a diverse population.

### Objectives

- The student will be able to outline the phases of effective health communication. (HS 0402)
- The student will identify the role of the various health care providers and the significance of inter-professional communication to improve health outcomes of the patient or a community. (HS 0390, HS 0402 )
- Student will write grammatically and stylistically correct assignments that reflect a review of relevant literature. (HS 0402 )

Health is widely acknowledged as a major growth industry, with employment opportunities forecast to continue their strong upward trends of recent years. Opportunities for advancement will be greatest for people with a baccalaureate degree.

Associate degree-prepared health profession majors and clinicians in the field who desire a baccalaureate degree have limited options to fulfill their educational goals. Graduates and clinicians from the health professions continually inquire about baccalaureate degree options to meet their busy professional lives. The Health Science degree is a specified course of study that would enhance a clinician's expertise and opportunities for advancement. The design of the Health Science curriculum is to prepare students for career paths in the health sector, including administration, management and health promoters in educational or clinical settings in a school, medical sales, pharmaceutical marketing and distribution, community or public health environments. Graduates from the Bachelor of Health Science program may qualify to enter graduate programs or professional health science areas such as physician assistant, physical therapy and public health.

The Bachelor of Science degree in Health Sciences is granted to students who complete the required program of study. These requirements include the basic General Education Requirements for all Bachelor of Science degree programs, required science and other supportive courses in the health science area. The degree is designed with two options:

- Emphasis One: Allows students who complete an Associate in an allied health field to select a degree that will strengthen and utilize the associate curriculum within

the Health Science degree. There are three specific options in this emphasis area designed for graduates who complete a degree in Dental Hygiene, Radiology or Respiratory with the fourth area being for students who transfer with an Associate Allied Health Degree. Students who completed one of the aforementioned allied health programs may qualify for earned retro-credit.

- Emphasis Two: Is available for students who do not have a health profession background but would like to pursue a Bachelor of Health Science degree. As a major in BS Health Science, students will undertake a course of study that blends three areas of emphasis that is comprised not only of the Health Science (18 hours) General Education Requirements but includes courses in Business (21 hours) and the Life/Health Sciences (21-27 hours).

The courses in the curriculum are offered on campus as well as web based. The demand for this degree will be great among current students, past graduates and clinicians currently working in the health industry.

Students must pass all HS core and/or all affiliated dual prefix courses with a 'C' or higher to graduate.

### **Retro Credit Program/Pathways to Health Science Credit Policy - this policy is currently under review as of 6/1/2018**

Many Allied Health programs grant Associate degrees with 80+ credit hours. These students often desire to complete a Bachelor's degree to complement their professional career. Retro Credit is available for transfer students who graduated with an Associate degree in Dental Hygiene, Respiratory Care, Radiology, Nursing or a Paramedic certificate. The Bachelor of Health Science or Nursing degrees offers these students the ability to apply for Retro Credit to assist in meeting the Bachelor's degree requirement. In order to qualify for Retro Credit Health Science and Nursing majors must have graduated from an accredited program in dental hygiene, radiology, respiratory care, nursing, or paramedic, passed a national written board examination and currently be licensed to practice in at least one state.

The Retro Credit program will benefit students by transcribing up to 33 credit hours of upper division hours depending on the discipline in the semester the student will graduate. A charge is assessed based on the number of credit hours transcribed.

This equates into a cost and time savings for students completing a Bachelor's degree. This program not only

benefits transfer students but Missouri Southern alumni who graduated prior to upper division courses being a part of their curriculum.

A Bachelor's prepared healthcare professional is highly marketable for management/supervisory positions, state and federal sector employment, medical/dental sales, pharmaceutical representative and the ability to teach in the field. Therefore, graduates will have more career options available to them. Courses for these programs are available online so practicing clinicians can complete their Bachelor's degree at their pace from anywhere in the world.

For more information on Health Sciences, or any of the degrees /courses listed above, contact:

Dr. Tia M. Strait  
Health Sciences Advisor  
Health Sciences Building 112  
417-625-3155 • [strait-t@mssu.edu](mailto:strait-t@mssu.edu)

Kim Rogers  
Interim Chair, Dental Hygiene  
Health Sciences Building 136  
417-625-9754 • [rogers-k@mssu.edu](mailto:rogers-k@mssu.edu)

Edward "Ted" Lee  
Chair, Emergency Medical Services  
Health Sciences Building 325  
417-625-3020 • [lee-e@mssu.edu](mailto:lee-e@mssu.edu)

Alan Schiska  
Chair, Radiology Technology  
Health Sciences Building 325  
417-625-3118 • [schiska-a@mssu.edu](mailto:schiska-a@mssu.edu)

Glenda Pippin  
Chair, Respiratory Therapy  
Health Sciences Building 325  
417-659-4405 • [pippin-g@mssu.edu](mailto:pippin-g@mssu.edu)

OR check out [mssu.edu/health-sciences](http://mssu.edu/health-sciences)

## **Medical Laboratory Science**

Faculty:  
Archer-Chair, Garoutte & Summerfield  
Reynolds Hall 210 • 417-625-9376

The Bachelor of Science degree with a Major in Medical Laboratory Science is sometimes referred to as three-plus-one,



meaning that the student takes a three-year pre-clinical program at MSSU, followed by one year (32 credits) of clinical work at an accredited hospital school. The pre-clinical studies include the General Education Curriculum and science and other support courses required for all Bachelor of Science degree programs. The Medical Laboratory Science program advisers are in the Department of Chemical and Physical Sciences. The completion of a Bachelor's degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the following clinical schools:

- Mercy Hospital - Joplin School of Medical Laboratory Science
- CoxHealth School of Medical Technology, Springfield, MO
- Baptist Health School of Medical Technology, Little Rock, Arkansas
- North Kansas City Hospital School of Clinical Laboratory Science

If a student wishes to attend an accredited school of medical laboratory science with which the University has no formal agreement, the Provost/Vice President for Academic Affairs can negotiate an agreement for the individual student.

Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record and demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date. It is strongly suggested that the student contact the Director of the program at the desired hospital early in their sophomore year to determine the exact application procedure.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospital-based school in such cases is considered as any other accredited institution of higher education. A student enrolling through Missouri Southern is considered a member of the University student body and is therefore eligible for benefits offered all students. The weekly time requirements for

the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Students in this major whose career goals change or are unsuccessful in gaining admission to a professional training program are ideally suited to complete another science major with virtually no loss of academic credits.

For additional information contact:

Dr. Marsi E. Archer,  
Department Chair • Reynolds Hall 213  
417-625-9541 • [archer-m@mssu.edu](mailto:archer-m@mssu.edu)

Dr. Michael Garoutte  
Reynolds Hall 241  
417-625-9579 • [garoutte-m@mssu.edu](mailto:garoutte-m@mssu.edu)

Dr. John Summerfield  
Reynolds Hall 208  
417-625-9717 • [summerfield-j@mssu.edu](mailto:summerfield-j@mssu.edu)

Or check out [mssu.edu/academics/programs/medical-technology](http://mssu.edu/academics/programs/medical-technology)

## Nursing

Faculty:

Wilmes - Chair, Blanton, Branstetter-Hall, Gall, Hempsmyer, Hill, Jackson, Kessler, Linder, & Ogle  
Health Sciences Building 243 • 417-625-9322

## Mission

Provide contemporary nursing education at the undergraduate and graduate levels. Improve healthcare in culturally diverse local and global communities through excellence in nursing education, practice and service.

## Nursing Program

The Bachelor of Science degree Nursing Program provides intensive preparation for the first-time entering student, baccalaureate degree graduate, licensed practical nurse seeking licensure as a registered nurse and for the registered

nurse pursuing baccalaureate education in the nursing discipline.

The program is based on the Betty Neuman Systems Model, emphasizing Person, Health, Environment and Nursing. General Education Requirements and required support courses augment nursing courses in preparing a professional nurse who is able to function at the client's side in a diverse health-care delivery system. The program has full approval by the Missouri State Board of Nursing, PO Box 656, Jefferson City MO, (573) 751-0681.

## **Application for Registered Nurse Licensure in Missouri**

According to Section 335.066 Missouri Nursing Practice Act (1-16), granting of the nursing baccalaureate degree does not guarantee eligibility to sit for the licensure examination or guarantee issuance of a license to practice nursing in the state of Missouri. For eligibility requirements to apply, write the National Council Licensure Examination for Registered Nurses (NCLEX-RN) as specified in section 335.046-1 of the Missouri Nursing Practice Act. In addition, the applicant should: 1) be of good moral character; 2) have completed high school or equivalent; 3) have successfully completed basic professional curriculum in accredited school of nursing. Section 335.066, Missouri Nursing Practice Act (1-16), provides rules for denial, revocation or suspension of license and grounds for civil immunity. The Board may refuse to issue any certificate of registration or authority and permit or license stated in subsection two of this section. Detailed information may be obtained through the Missouri State Board of Nursing Website - [www.pr.mo.gov/nursing.asp](http://www.pr.mo.gov/nursing.asp)

Completion of the nurse education program does not guarantee eligibility to take the licensure examination.

The program is nationally accredited by The Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE Suite 850, Atlanta, GA 30326, Phone 404-975-5000 and Fax 404-975-5020.

## **Department of Nursing Program Objectives**

- Offer a nationally accredited Baccalaureate Degree in Nursing.

- Enhance higher order thinking, communication, research and therapeutic interventions in the practice of professional nursing.
- Promote lifelong learning activities for personal and professional development.
- Furnish a foundation for management and leadership roles in nursing.
- Prepare graduates to use Standards of Clinical Nursing Practice in a variety of settings.
- Provide a foundation for graduate education studies in nursing.
- Promote empathy for the values and perspectives of diverse cultures including an awareness of international and multicultural influences in nursing.

## **Graduate Outcomes**

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.
- Provide self-directed contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary and tertiary prevention.
- Manage health care delivery through coordination, collaboration and delegation.
- Integrate communication strategies in interacting with the person.
- Apply nursing and health related research to nursing practice.

## **Admission Criteria**

1. Continuous enrollment, readmission or admission to the University as a transfer student.
2. Cumulative GPA of 2.5 minimum based upon completion of freshman and sophomore courses listed in the suggested order of study.
3. Completion of the following required support courses with a grade of 'C' or higher:  
BIO 0121 - Human Anatomy and Physiology I  
BIO 0221 - Human Anatomy and Physiology II  
BIO 0231 - General and Medical Microbiology  
CHEM 0121 - Chemistry for Allied Health Sciences and CHEM 0122 - Chemistry for Allied Health

Sciences Laboratory or CHEM 0140 - General Chemistry I and CHEM 0141 - Gen Chemistry I Laboratory

BIO 0308 - Pathophysiology

KINE 0385 - Nutrition for Human Development

PSC 0120 PSC 0120 - American Government

4. All courses from the Suggested Order of Study must be completed prior to entering the nursing major at the junior level.
5. Criminal Record check
6. State of Missouri Caregiver Background Screening
7. Drug/Alcohol Screen
8. Physical examination with health requirements documented
9. Non-refundable application charge

RSMO 660.317 prohibits a hospital from knowingly allowing those guilty of Class A and B felonies as defined by state law to give care to clients in the agency. Missouri Southern State University students are assigned to do clinical practice in cooperating hospitals and the Department is in agreement that students must meet these requirements. Results of a personal criminal history record check and caregiver background screening must be on file prior to the Junior Year of nursing courses. Applicants who have been found guilty and/or listed on background check lists in the Family Care Safety Registry pursuant to sections 210.900 to 210.937, RSMo of Class A and B felonies will be ineligible to enter the program.

### ADMISSION TO THE PROGRAM IS COMPETITIVE.

Applicants must demonstrate evidence of personal characteristics and integrity that indicate high probability of successful degree completion and must meet application criteria necessary to complete the National Council Licensure Examination (NCLEX-RN).

Application, readmission and transfer forms and criteria are available from the Department of Nursing.

Deadline for Department of Nursing application and Missouri Southern State University transcript is January 31 for fall admission and August 31 for spring admission.

The applicant is responsible for verifying that the Missouri Southern State University transcript contains all transcribed courses from other colleges and universities prior to the application deadline and submitting the Missouri Southern State University transcript to the Department of Nursing by the stated deadline.

Students who meet all admission criteria and have completed the Suggested Order of Study for the Bachelor of Science Degree in Nursing at Missouri Southern State University will be given preference in admission.

Progression policies: Refer to the McCune Brooks Foundation School of Nursing Student Handbook and Safety and Exposure Manual for progression policies.

Freshman Option: Direct Provisional Admission (DPA)  
Students entering as first time freshmen to Missouri Southern State University will have the opportunity to receive direct provisional admission to the nursing program based upon the following criteria:

1. Meet all requirements for regular admission to Missouri Southern State University as a first-time freshman.
2. ACT composite score of 25 or higher.
3. Maintain a 3.0 GPA in required courses each semester with a grade of 'C' or above (refer to catalog for required courses).
4. Meet all other requirements for admission to nursing major prior to matriculation.

## Admission of Baccalaureate Degree Applicants

Applicants holding a baccalaureate degree from a regionally accredited institution are considered by the University as having completed the General Education Requirements. Degreed nursing applicants must meet all stated admission requirements.

Required support courses for admission into the nursing major including natural area physical sciences courses requiring a grade of 'C' or higher are as follows:

BIO 0121 - Human Anatomy and Physiology I	4
BIO 0221 - Human Anatomy and Physiology II	5
BIO 0231 - General and Medical Microbiology	5
CHEM 0121 - Chemistry for Allied Health Sciences and Laboratory	4
CHEM 0122 - Chemistry for Allied Health Sciences	4
BIO 0308 - Pathophysiology	4
KINE 0385 - Nutrition for Human Development	3

Total 25

## Admission of Registered Nurses (RNs)

Registered nurses are admitted to the University as graduates of Southern's Associate Degree Nursing Program or as transfer students. In addition to the program admission requirements, registered nurses must also meet the following requirements:

1. Graduation from a state-approved and Accreditation Commission for Education in Nursing (ACEN) accredited associate degree or diploma nursing program. Registered nurse applicants from non-ACEN accredited nursing programs must complete NURS 0301 - Transitions in Nursing and attain a GPA of 3.0 in the first semester of coursework in order to be granted regular admission status.
2. Current registered nurse licensure or eligibility in the state of Missouri.
3. Upon successful completion of NURS 0301 - Transitions in Nursing, 3 credit hours, validation of 30 credit hours of nursing knowledge will be transcribed for credit as follows:

NURS 0310 - Health Assessment and Technologies 5 cr

NURS 0320 - Adult Nursing I 7 cr

NURS 0340 - Nursing Care of the Childbearing Family 4 cr

NURS 0360 - Mental Health Nursing 4 cr

NURS 0380 - Nursing Care of the Child and Family 4 cr

NURS 0400 - Complex Nursing 6 cr

An assessment charge per credit hour will be charged to the student's account.

4. The RN has an option to challenge NURS 0305 - Pharmacology in Nursing (3 credit hours) and NURS 0370 - Gerontologic Nursing (3 credit hours) through departmental examination. An assessment charge per departmental examination must be paid in advance of the examination.

## Admission of Licensed Practical Nurses (LPNs)

Licensed Practical Nurses (LPNs) are admitted to the University as first-time (generic) or transfer students. LPN applicants must meet all University and program requirements for admission. The LPN has the option to challenge 11 credit hours for NURS 0305 - Pharmacology in Nursing, NURS 0310 - Health Assessment and Technologies, and NURS 0370 - Gerontologic Nursing through departmental examination. An assessment charge per departmental examination must be paid in advance of the examination.

Transfer Policy for Students from a Baccalaureate Degree Nursing Program:

1. All program admission criteria must be met.
2. A letter of reference is required from the Dean or Director of the nursing program previously attended stating the student left in good standing and is eligible for readmission.
3. Transfer courses will be evaluated for course equivalency at Missouri Southern on an individual basis.
4. Nursing courses with a clinical component must be fully met.
5. Transfer is based on space availability.

## Special Costs

Costs incurred during the program include, but are not limited to: laboratory, equipment, simulation center, required nurse bag equipped for courses, uniforms, pins, standardized examination costs, graduation costs, licensing examination costs, hepatitis series, current immunizations, etc. An estimated cost sheet for nursing students is available in the Department of Nursing. Often these special costs, as well as tuition, are covered by financial aid.

## Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors: Informatics, Business, Spanish, etc.

## Americans with Disabilities Act Implications

Students are required to have completed a physical examination/health verification after conditional admission to

the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

For additional information on the Nursing Program contact:  
The Department of Nursing  
Health Sciences Building 243  
417-625-9322 • nursing@mssu.edu

## **Paramedic & Emergency Medical Technician**

### **Paramedic**

Faculty:  
Lee - Chair, Williams  
Health Sciences Building 325 • 417-625-3020

### **Mission**

The mission of the Missouri Southern State University Department of Emergency Medical Services is to educate and graduate an EMS professional who is a competent entry-level practitioner. The program is designed to develop and promote conceptual, technical, contextual, integrative and adaptive competence so that graduates are well-rounded in all phases of professional behavior. Graduates will be prepared to enter the health professions workforce and be eligible for licensure, certification and advanced education.

The School of Health Sciences and the Department of Emergency Medical Services offer certificate programs preparing students to challenge the National Registry examinations. The program is closely integrated with area Emergency Medical Services and area Trauma Centers. Classroom instruction is supplemented by laboratory, scenario-based practicals and high-fidelity simulation. Students also gain patient care experience during clinical and field rotations. The clinical training is arranged through area

hospitals and advanced life support ambulance services. The program meets through three consecutive semesters beginning each fall semester.

Students seeking admission to the program are encouraged to apply early, as admission preference is given to those submitting a completed application packet by July 1st. Students should contact the Director of Emergency Medical Services for more information. There are special book and equipment costs for this program.

## **Statement of Accreditation**

The MSSU Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). For more information contact:

Commission on Accreditation of Allied Health Education  
Programs  
1361 Park Street, Clearwater FL 33756 or call 727-210-2350

Commission on Accreditation of Educational Programs for  
Emergency Medical Services Professions  
8301 Lakeview Parkway Suite 111-312, Rowlett TX 75088 or  
call 214-703-8445

## **Admission Criteria**

1. Must be 18 years of age before first class.
2. High school graduation diploma or its equivalent.
3. Possession of current State of Missouri EMT license, or eligibility and ability to obtain one by first day of class.
4. Completion of PARA 0201 - Concepts of A&P in EM Care OR BIO 0121 - Human Anatomy and Physiology I (or equivalent) with a grade of "C" or better.
5. Submission of completed application and required materials by application deadline.
6. Submission of MSSU admission application by program application deadline.
7. Possess a current American Heart Association Basic Life Support for Healthcare Provider CPR certification

For additional information on the Paramedic Program contact:  
Edward Lee  
Health Sciences Building 319  
417-625-3020 • lee-e@mssu.edu



# Emergency Medical Technician

Faculty:

Lee - Chair, Williams

Health Sciences Building 325 • 417.625.3020

## Mission

The School of Health Sciences and the Department of Emergency Medical Services offer certificate programs preparing students to challenge the National Registry examinations. The program is closely integrated with area Emergency Medical Services and area Trauma Centers. Classroom instruction is supplemented by laboratory, scenario-based practicals and high-fidelity simulation. Students also gain patient care experience during clinical and field rotations. The clinical training is arranged through area hospitals and advanced life support ambulance services. The program meets through one semester beginning each fall and spring semester.

Students seeking admission to the program are encouraged to apply early, as admission preferences is given to those submitting a completed application packet on a first-come basis. Students should contact the Director of Emergency Medical Services for more information. Special book and equipment charges are assessed for this program.

## Statement of Accreditation

The MSSU Emergency Medical Technician Program is accredited through the Missouri Department of Health and Senior Services and Missouri Unit of Emergency Medical Services. The Emergency Medical Technician Program meets all requirements of the National Standard Curriculum.

## Admission Criteria

1. Must be 18 years of age to sit for the National Registry examinations.
2. High school graduation diploma (or equivalent) or a student in good standing at the high school junior or senior level.
3. Must submit proof of required immunizations.

4. Pass a thorough, department approved background check.
5. Possess a current American Heart Association Basic Life Support for Healthcare Provider CPR certification.
6. Submit application and required documents by the application deadline.

## Pre-Professional

### Mission

This curriculum allows Missouri Southern students to complete admission requirements for professional schools that accept applicants who have completed approximately 60 hours. Students should incorporate professional school requirements into their schedule and work closely with an advisor at Missouri Southern. Also, students who are completing certification requirements for paramedic programs may transfer among Missouri public four-year colleges and universities.

For additional information contact:

Dr. Marsi Archer  
Hearnes Hall 306  
417.625.9385  
archer-m@mssu.edu

## Radiologic Technology

Faculty:

Schiska - Chair

Health Sciences Building 325 • 417-625-3118

### Mission

Consistent with the philosophy of MSSU, the mission of the Radiologic Technology program is to provide high quality entry-level radiographers for the service area of the university. Attention is focused on the needs of each student for local and international service.

The Associate of Science Degree in Radiologic Technology combines General Education Requirements courses, a supportive course in the behavioral sciences, natural sciences and special courses in the field of radiology, including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements

between Missouri Southern and other accredited facilities and may include weekends and evening rotations. The student successfully completing the curriculum is eligible to write the National ARRT Certification Examination to become a Registered Technologist.

Completion of the degree requires the completion of General Education Requirements for the Associate of Science Degree, all Radiology courses, BIO 0221 and BIO 0240. Students must complete the prerequisites of Anatomy and Physiology I & II (BIO 0121, BIO 0221), Medical Terminology (RAD 0111), English Composition I (ENG 0101) and Intermediate Algebra (MATH 0030) before entering the program. Transfer students should check course equivalencies prior to enrolling in courses at other institutions.

Special admissions procedures are required for admittance into this program in addition to those required for admission to Missouri Southern State University. This includes a "C" in all prerequisites and other classes required for the course of study taken prior to admission. A limited number of students are allowed into the program each year. A special Radiology application with supporting materials must be submitted to the Director of the Radiology Program by January 31st of the year the student wishes to enter the program. Accepted students begin the program at the beginning of the following summer semester.

Students seeking admission to the program should possess superior academic and critical thinking skills. They should possess the ability to problem-solve, communicate effectively and have strong interpersonal skills. In addition, they must possess strong academic skills in the sciences, with a good background in anatomy and physiology and the physical sciences. Basic courses in physical science and/or chemistry will help prepare students for successful completion of the program. They must have the physical abilities to hear, see, lift and remain on their feet for long periods of time in order to provide safe patient care in clinical rotations. They should have the ability to lift a minimum of 50 pounds on a frequent basis. Students who have further questions regarding the above abilities and skills should contact the Radiologic Technology department at MSSU. .

Costs incurred during the program include, but are limited to: laboratory equipment and maintenance, insurance, and supplies. These costs are subject to change. Often these charges, as well as tuition, are covered by financial aid for those students who qualify.

Students who are already Registered Technologists (through the American Registry of Radiologic Technologists) may also enter the program. .

A Bachelor of Science in Health Science with an emphasis in radiologic technology option is also available to those wishing to seek a more advanced degree beyond the A.S. option. For more information, please see the health science degree option in this catalog.

For additional information visit our website:

For additional information contact:  
Alan Schiska • Director, Radiology  
417-625-3118 • [schiska-a@mssu.edu](mailto:schiska-a@mssu.edu)

## Respiratory Care

Faculty:  
Pippin - Chair, Dunaway and Whiteman  
Health Sciences Building 325 • 417-659-4405

## Mission

The mission of the program is to provide an outstanding educational program that offers students an opportunity to develop knowledge, skill and attitudes essential for safe, effective practice within the scope of respiratory care practitioners.

## Goals

### Program goals are:

1. To supply the community with respiratory care practitioners.
2. To prepare program graduates to pass the National Board for Respiratory Care Credentialing Examinations.

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi-skilled health professionals with communication, interpersonal and excellent clinical skills such as the respiratory care practitioner. The Respiratory Care Program is designed to prepare students to be employed in the hospital, clinic, sleep laboratory and alternate care settings such as a durable medical equipment company. Respiratory Care Practitioners perform a variety of clinical, diagnostic and

management functions in these settings.

The Respiratory Care Department offers these career tracts:

- Associate of Science Degree
- Baccalaureate Degree in Health Sciences. See General Education Requirements and course descriptions.

- 

The curriculum offers the following options:

- Graduates of the associate degree respiratory care program will be eligible to take the NBRC Certification in Respiratory Care to become a Certified Respiratory Therapist (CRT). Successful completion of the CRT exam will allow the graduate to take the clinical simulation exams to become a Registered Respiratory Therapist (RRT).
- For those students interested in a bachelor degree, there are two options: a Bachelor of General Studies or a Bachelor's in Health Sciences, designed for graduates of the Respiratory Care program.

The Associate of Science Degree Program in Respiratory Care prepares students for a position as a respiratory care practitioner. The program is provided by Missouri Southern State University and Franklin Technology Center, through a consortium for respiratory care education. The program is accredited by the Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, TX 76021. The Associate of Science program consists of a core academic component and a major concentration component. The academic section consists of the MSSU Associate of Science degree requirements, including courses in the Humanities and Fine Arts, Life and Physical Science, Social and Behavioral Science, Mathematics, Written and Oral Communication, Health and Wellness and University Experience. The respiratory care major concentration components comprise both the didactic and respiratory care clinical instructional areas. A comprehensive self-assessment exam must be successfully completed as a requirement for graduation.

All graduates must successfully complete the NBRC Entry Level Certification Examination (CRT) prior to taking the Registry Examination(RRT).

Respiratory Care Students must demonstrate numerous competencies representing all three learning domains: the cognitive, psychomotor and affective domains. Students learn, practice and verify these competencies in a number of settings including the classroom, laboratory and clinic. To achieve the required competencies in the classroom setting, respiratory care students must perceive, assimilate and integrate information from a variety of sources. These sources include oral instruction, printed material, visual media and live

demonstrations. Students must participate in classroom discussion, give oral reports and pass written and/or computer-based examinations of various formats. Completion of these tasks requires cognitive skills, such as reading, writing and problem-solving. To be physically capable of the classroom work, students must, with assistance, be able to: hear, see, speak, sit and touch. Respiratory care laboratories provide students with the opportunity to view demonstrations, evaluate and practice with medical devices and perform simulated clinical procedures. In addition to the cognitive skills required in the classroom, students must demonstrate psychomotor skills in manipulation of patients and equipment, as well as general professional behaviors (affective domain), like team-building and interpersonal communications. To satisfy laboratory and clinic requirements, students must perform all procedures without critical error.

Admission to Missouri Southern or Franklin Technology Center does not automatically grant admission to the respiratory care program. In addition to meeting admission requirements to the University, candidates must apply for admission to the Department of Respiratory Care. Applications are accepted during the Spring semester starting in the Fall semester.

Enrollment is competitive; Applicants must submit the necessary information to the department office by the designated deadline to be considered for acceptance. Evidence of computer literacy and satisfactory completion of the following prerequisites with a 'C' or better must be presented: MATH 0030 - Intermediate Algebra or higher, ENG 0101 - College Composition I Writing Intensive and BIO 0121 - Human Anatomy and Physiology I. Department Recommendation: High school or college course work in Physical Science and Chemistry. Interested individuals are encouraged to contact the Program Director of Respiratory Care for more specific information regarding admissions criteria.

Other costs are incurred by respiratory care students such as: uniforms, books, self-assessment examinations, graduation pins, AARC student membership dues, liability insurance and various expenses for transportation to off campus clinical sites and professional meetings.

## Graduate outcomes

Graduates of the program will:

- **Cognitive** - Demonstrate the ability to comprehend, apply and evaluate clinical information relevant to their role as a respiratory care practitioner.
- **Psychomotor** - Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory care practitioner.
- **Affective** - Demonstrate personal behavior consistent with professional and employer expectations for the respiratory care practitioner.

## Admission Criteria

(Associate of Science in Respiratory Care)

Application should be made directly to the Respiratory Care Department Office on the Missouri Southern State University campus (special admissions procedures are required for admittance into this program in addition to admission to MSSU).

- Continuous enrollment, readmission or admission to Missouri Southern and Franklin Technology Center as a transfer student.
- Completion of an approved college-level math, College Composition I and Anatomy & Physiology I courses.
- Provide documentation of computer literacy.
- Minimum adjusted individual total score on the Health Occupations Basic Entrance Test administered by the Department.
- Submit to background check, State of Missouri Caregiver Background Screening and drug screen.

Admission to the program is competitive.

For additional information contact:

Glenda Pippin • Chair, Respiratory Care  
417-659-4405 • Pippin-G@mssu.edu

# Interdisciplinary Studies

## Bachelor of Applied Science

### Applied Science Major, BAS, BASO

#### Major Code: BASO

The Bachelor of Applied Science (BAS) degree is for students who would like to complete a Bachelor's Degree after having completed the Associate of Applied Science (AAS) degree at a community or technical college. This degree provides students the opportunity to complete an abbreviated program of study relevant to their career objectives. Students pursuing this degree are required to select a program of study from among the Minors or Certificates offered at the university. Minor or Certificate completion is posted to the student transcript upon completion of the degree. This degree is offered online.

The requirements for this degree include the following:

1. Students must complete an AAS degree from a regionally accredited institution of higher education prior to graduation from MSSU with the BAS degree.
2. All Baccalaureate Degree Gen Ed Core 42 Requirements General Education Requirements of the university must be met.
3. Students must earn the required 40 upper division credits as specified by university policy.
4. Students must complete a Minor or Certificate in a field of their choice at Missouri Southern. Each Minor or Certificate chosen must require at least 15 semester credit hours.
5. All other university policies related to admissions and bachelor's degree completion must be met.

Advising for this degree is available through the academic unit offering the Minor or the Certificate the student chooses to pursue. Students desiring this degree are strongly encouraged to see an advisor and declare their program of study upon matriculation. Minors and Certificates available, and their associated academic units, are listed in this catalog.

## First Year Experience Program

The First-Year Experience Program (FYE) at Missouri Southern State University has been established to assist first-year students in the transition to university life and to introduce new students to the opportunities at MSSU. The FYE program oversees several components that help accomplish these goals such as: the UE 0100 The University Experience course, the Common Reading Program, Learning Communities and the Leadership Training courses for Course Assistants. For further information on this program, see the FYE section under New Student Programs.

For additional information contact:

Teresa Thompson, Director  
Hearnes Hall 315B  
417-625-9731  
thompson-t@mssu.edu

## Honors

Dr. Michael Howarth • Taylor Hall 206 • 417-625-3005

The Honors Program serves Missouri Southern State University by recruiting academically talented and motivated students and engaging them in enhanced educational opportunities and challenges designed to promote their development as scholars and citizens. While students will take courses offered in Missouri Southern's regular curriculum, the following courses are specifically designed for Honors students. For a complete description of the program, see Academic Information.

## Military Science

### Show-Me Gold Missouri Army National Guard Officer Leadership Program

The Military Science minor is a four year program in which students contract with the Missouri National Guard for military service upon completion of their degree. GOLD 0101 is open enrollment for all students without a contractual obligation. The program is offered in both classroom and laboratory learning environments. Please contact CPT Wischmeyer for more information.

**For additional information contact:**

Show -Me Gold Officer Training Program  
CPT. Wischmeyer 417-625-9690 wischmeyer-r@mssu.edu



# University Organization

## University History

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidisciplinary curriculum that today is Missouri Southern State University. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost 5-to-1 a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted in an 8-1 majority to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state. The district would continue to provide the freshman and sophomore years.

The area again responded with enthusiastic and generous support with the building of a new campus on the site of the Mission Hills Farm to house the growing college. Administration and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the emerging global economy. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri

General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." Many new programs in international education that enrich and complement the existing programs are now in place.

On July 12, 2003, Missouri Governor Bob Holden officially signed Senate Bill 55, which renamed Missouri Southern State College as Missouri Southern State University-Joplin. August 28, 2003 marked the official date the name changed. The legislation was sponsored by Gary Nodler in the Senate and Bryan Stevenson in the House. Provisions of the legislation also allowed MSSU to begin offering cooperative master's degree programs.

Today Missouri Southern State University remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

## Board of Governors

Rod Anderson 2009  
James B. Fleischaker 2017  
Sherry L. Buchanan 2014  
Glenn M. McCumber 2018  
Lynn M. Ewing III 2015  
Tracy Flanigan 2019  
Keith C. Hankins 2016

## Board of Trustees

Donald R. Patterson  
Jerry E. Wells

## Memberships

American Association of Colleges for Teacher Education  
American Association of Colleges of Nursing  
American Association of State Colleges and Universities  
American Dental Educator Association  
Association to Advance Collegiate Schools of Business  
Association of Collegiate Business Schools and Programs  
Association of Environmental Health Academic Programs  
Association of Governing Boards of Universities & Colleges

Council for the Advancement and Support of Education  
 Council on Public Higher Education  
 Institute of International Education  
 Mid-America Intercollegiate Athletics Association  
 Missouri Academy of Science  
 Missouri Association of Colleges for Teacher Education  
 Missouri Biotechnology Association  
 Missouri Consortium for International Programs and Studies  
 Missouri Mathematics and Science Coalition  
 NAFA: Association of International Educators  
 National Collegiate Athletic Association  
 National League for Nursing Baccalaureate and Higher Degree Programs  
 Teacher Education Council of State Colleges and Universities  
 The Higher Learning Commission

Commission on Accreditation for Respiratory Care  
 Commission on Collegiate Nursing Education  
 Commission on Dental Accreditation, American Dental Association  
 Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions  
 Joint Review Committee on Education in Radiology  
 Missouri Math and Science Coalition  
 Missouri State Board of Nursing  
 Missouri State Department of Elementary and Secondary Education  
 Missouri Department of Health and Senior Services Bureau (EMS)  
 National Accrediting Agency for Clinical Laboratory Science  
 National Council for the Accreditation of Teacher Education (NCATE)  
 National Environmental Health Science and Protection Council  
 Police Officers Standards and Training  
 Engineering Technology Accreditation Commission (ETAC) of ABET

## Accreditations and Approvals

Accredited by The Higher Learning Commission and a member of the North Central Association, Phone: 312.263.0456 Website: [www.hlcommission.org](http://www.hlcommission.org)  
 Accreditation Commission for Education in Nursing  
 Accreditation Council for Business Schools and Programs

**Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Vice President for Academic Affairs and Provost.**

## Faculty

(Date indicates first year of full-time MSSU service)

### **Nii Adote Abrahams**

Professor, Economics 1999  
 Bachelor's (B.Sc.), University of Ghana  
 Master's (M.S.), University of Massachusetts  
 Doctorate (Ph.D.), Pennsylvania State University

### **Anthony C. Adamopoulos**

Professor, Psychology 2004  
 Bachelor's (B.A.), University of Kansas  
 Master's (M.A.), University of Kansas  
 Doctorate (Ph.D.), University of Kansas

### **Charles Adams**

Assistant Professor, Criminal Justice 2011  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.), Pittsburg State University

### **Jonathan Adongo**

Associate Professor, Economics 2013  
 Bachelor's (B.A.), University of Botswana  
 Master's (M.A.), University of Botswana  
 Doctorate (Ph.D.), Middle Tennessee State University

### **Diana Allan**

Visiting Assistant Professor, Music 2018  
 Bachelor's (B.M.E.), Pittsburg State University  
 Bachelor's (B.M.), Pittsburg State University  
 Master's (M.A.), Stephen F. Austin State University  
 Doctorate (D.M.A.), University of Texas-Austin

### **Amila Appuhamy**

Assistant Professor, Mathematics 2013  
 Bachelor's (B.S.), University of Colombo-Sri Lanka  
 Master's (M.A.), University of Toledo  
 Doctoral Candidate (Ph.D.), University of Toledo

### **Marsi E. Archer**

Professor, Chemistry 1998  
 Dean, School of Arts and sciences  
 Bachelor's (B.S.), James Madison University  
 Doctorate (Ph.D.), Ohio State University

### **Bobbie Augspurger**

Assistant Professor, Teacher Education 2017  
 Bachelor's (B.S.E.), Secondary Education, Missouri Southern State University  
 Master's (M.Ed.), Elementary Education, Missouri State University  
 Doctorate (Ed.D.), Educational Administration, Advanced Principal & Superintendent, Lindenwood University

**Rabindra Bajracharya**

Assistant Professor, Physics 2015  
Bachelor's (B.Sc.), Physics, Tribhuvan University  
Master's (M.Sc.), Physics, Tribhuvan University  
Master's (M.A.), Physics, Kent State University  
Master's (M.S.), Physics, University of Maine  
Doctorate (Ph.D.), Physics, University of Maine

**Alla Barry**

Associate Professor, Biology 2011  
Doctorate (M.D.), Northern State Medical University

**Jordan Baumbach**

Assistant Professor, Biology & Environmental Health 2018  
Associate's (A.S.), University of Wisconsin  
Bachelor's (B.S.), Biology, University of Wisconsin  
Doctorate (Ph.D.), Interdepartmental Genetics & Genomics, Iowa State University

**Maggie Beachner**

Assistant Professor, Teacher Education 2015  
Bachelor's (B.S.), Human Environmental Sciences, University of Arkansas-Fayetteville  
Master's (M.Ed.), Secondary Education, Career & Technical Education, University of Arkansas-Fayetteville  
Doctorate (Ph.D.), Interdepartmental Genetics & Genomics, Iowa State University

**Matthew Beaver**

Master Instructor, Teacher Education 2016  
Bachelor's (B.S.E.), Secondary Education-Sociology & Political Science, Missouri Southern State University  
Master's (M.S.), Educational Leadership, Pittsburg State University

**Sheri L. Beeler**

Professor, Kinesiology 1995  
Chair, Department of Kinesiology  
Bachelor's (B.S.E.), Missouri Southern State University  
Master's (M.S.E.), Physical Education, University of Central Missouri  
Doctorate (Ed.D.), Educational Leadership, Educational Administration, Saint Louis University

**Christine Bentley**

Associate Professor, Art 2013  
Bachelor's (B.A.), Southern Illinois University  
Master's (M.A.), University of Notre Dame  
Doctorate (Ph.D.), Art History, Indiana University-Bloomington

**Megan L. Bever**

Assistant Professor, History 2014  
Bachelor's (B.A.), Purdue University  
Master's (M.A.) History, University of Alabama  
Doctorate (Ph.D.) History, University of Alabama

**Robert S. Black**

Associate Professor, Library 1988  
Serials/Reference Librarian  
Bachelor's (B.A.) History/Teacher Education, Millikin University  
Master's (M.L.S.) Library Science, Indiana University

**Kelli Blanton**

Assistant Professor, Nursing 2012

Bachelor's (B.S.N) Nursing, Westminster College  
Master's (M.S.N./ED) Nursing Education, University of Phoenix

**Teresa Boman**

Associate Professor, Biology 2013  
Bachelor's (B.S.) Biology, College of the Ozarks  
Master's (M.S.) Environmental Science, Arkansas State University  
Doctorate (Ph.D.) Environmental Science, Arkansas State University

**Otto Borchert**

Assistant Professor, Computer Information Science 2018  
Bachelor's (B.S.) Computer Science, North Dakota State University  
Master's (M.S.) Computer Science, North Dakota State University  
Doctorate (Ph.D.) Computer Science, North Dakota State University

**Jacob Boswell**

Assistant Professor, Mathematics 2015  
Bachelor's (B.S.) Mathematics, Arkansas Tech University  
Master's (M.S.) Mathematics, Missouri State University  
Doctorate (Ph.D.) Mathematics, Purdue University

**Jo Ellen Branstetter-Hall**

Assistant Professor, Nursing 2018  
Bachelor's (B.S.N.) Nursing, Pittsburg State University  
Master's (M.S.N.) Nursing, University of Kansas  
Master's (M.S.) Community College Teaching, Pittsburg State University  
Doctorate (Ph.D.) Nursing, University of Kansas

**Barry E. Brown**

Professor, English & Philosophy 1987  
Bachelor's (B.A.), Kalamazoo College  
Master's (M.A.), Columbia University  
Master's (M.A.), University of Rochester  
Doctorate (Ph.D.), University of Rochester

**Joey R. Brown**

Professor, English & Philosophy 2000  
Bachelor's (B.A.) English, Cameron University  
Master's (M.A.) Creative Writing, University of Oklahoma  
Doctorate (Ph.D.) Interdisciplinary Studies (Creative Writing, Professional Writing 20th Century American Literature), University of Oklahoma

**Maria Bruggeman**

Assistant Professor, Kinesiology 2010  
Bachelor's (B.S.) Elementary Education & Physical Education, University of North Dakota  
Master's (M.S.) Kinesiology, University of North Dakota

**Ward H. Bryant**

Associate Professor, Communication 1992  
Chair, Department of Communication  
Bachelor's (B.S.J.) Broadcast Journalism, University of Kansas  
Master's (M.S.) Speech & Drama (Radio, Television & Film), University of Kansas

**Dominic Buccieri**

Visiting Professor/Assistant Professor, International Business 2018  
Bachelor's (B.B.A.), Cleveland State University  
Master's (M.B.A.), Indiana Wesleyan University  
Doctorate (D.B.A.), Cleveland State University

**F. Burt Bucher**

Associate Professor, Art 2005  
 Bachelor's (B.F.A.) Eastern Kentucky University  
 Master's (M.F.A.) University of Cincinnati

**Shayna Burchett**

Assistant Professor, Chemistry 2018  
 Associate's (A.A.), State Fair Community College  
 Bachelor's (B.S.), Central Methodist University  
 Doctorate (Ph.D.), Missouri University of Science & Technology

**Lezlie Cantrell**

Associate Professor, Dental Hygiene 2015  
 Bachelor's (B.S.) Dental Hygiene, Northeast Louisiana University  
 Master's (M.Ed.) Dental Hygiene, University of Missouri-Kansas City  
 Doctorate (Ed.D.) Education, Capella University

**James J. Capeci**

Associate Professor, Library 2002  
 Library Director  
 Bachelor's (B.S.) Southwest Missouri State University  
 Master's (M.L.S.) University of Missouri-Columbia

**Aaron Carmichael**

Assistant Professor, International English 2013  
 Bachelor's (B.B.L.) Bible Literature, Ozark Christian College  
 Master's (M.A.) Intercultural Studies & TESOL, Wheaton College

**Paula Phillips Carson**

Professor, Provost & Vice President for Academic Affairs 2015  
 Bachelor's (B.B.A.), Loyola University of the South  
 Master's (M.B.A.), Millsaps College  
 Doctorate (Ph.D.) Business Administration (Management), Louisiana State University

**Charles Clarke**

Master Instructor and Mock Trial Team Sponsor, Social Sciences (Political Science) 2018  
 Master's (M.A.) Political Science, Northwestern University  
 J.D. Law Northwestern University  
 Doctorate (Ph.D.) Political Science, Northwestern University

**Kara Coffman-Rea**

Master Instructor, Biology 2017  
 Bachelor's (B.S.), Northern Illinois University  
 Master's (M.S.) Biological Sciences-Human Anatomical Sciences, Northern Illinois University

**AmyKay Cole**

Professor, Psychology 2002  
 Bachelor's (B.A.) Psychology, University of New Mexico  
 Master's (M.A.) Clinical Psychology, Kent State University  
 Doctorate (Ph.D.) Clinical Psychology, Kent State University

**K. Casey Cole**

Professor, Psych Psychology, Shippensburg State University of Pennsylvania  
 Master's (M.A.) Experimental Psychology, Kent State University  
 Doctorate (Ph.D.) experimental Psychology, Kent State University

**James D. Collins**

Professor, Computer Information Science 1998

Bachelor's (B.S.), St. Louis University  
 Master's (M.S.), Southern Illinois University  
 Doctorate (Ph.D.), Nova Southeastern University

**Jean Coltharp**

Assistant Professor, Mathematics 2014  
 Bachelor's (B.S.), Pittsburg State University  
 Master's (M.S.), Pittsburg State University

**Deborah Combs**

Associate Professor, Accounting 2017  
 Bachelor's (B.S.) Accounting, Southeastern Oklahoma State University  
 Master's (M.B.A) Accounting-Business Administration, Oklahoma City University  
 Master's (M.A.S) Accounting, Strayer University  
 Doctorate (Ph.D.) Business Administration-Accounting, North Central University  
 Certified Public Accountant (CPA)

**S. Mark Comstock**

Professor, Accounting 1993  
 Bachelor's (B.S.B.A.), Missouri Southern State University  
 Doctorate (Ph.D.), University of Oklahoma  
 Certified Public Accountant (CPA)  
 Diplomate, American Board of Forensic Accounting (DABFA)

**Kathrine Corum**

Assistant Professor, Dental Hygiene 2014  
 Associate's (A.S.), Missouri Southern State University  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.), Missouri Southern State University/University of Missouri-Kansas

**Cheryl Cotter**

Associate Professor, Music 2005  
 Bachelor's (B.M.), University of North Texas  
 Master's (M.M.), University of North Texas  
 Doctorate (D.M.A.), University of North Texas

**Matthew Cowdin**

Assistant Professor and Director Law Enforcement Academy 2008  
 Bachelor's (B.S.) Criminal Justice Administration, Missouri Southern State University  
 Master's (M.S.) Criminal Justice Administration, Southeast Missouri University

**Nancy M. Crabtree**

Associate Professor, Library 2003  
 Reference/Instruction Librarian  
 Bachelor's (B.S.), Syracuse University  
 Master's (M.L.S.), University of South Carolina

**Susan Craig**

Associate Professor, Teacher Education 1993  
 Interim Chair, Teacher Education  
 Bachelor's (B.S.E.), Missouri Southern State University  
 Master's (M.S.), Missouri State University  
 Doctorate (Ed.D.), University of Missouri - Columbia

**Andrea N. Cullers**

Associate Professor, Kinesiology 2013  
 Bachelor's (B.S.) Human Environmental Science (Food & Human Nutrition), University of Arkansas  
 Master's (M.S.) Dietetics & Nutrition, University of Kansas Medical Center  
 Doctorate (Ph.D.) Nutritional Biology (International & Human Nutrition), University of California, Davis

**Carrie Curtis**

Assistant Professor, Mathematics 2009  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.) Mathematics, University of Missouri-Columbia

**Charles N. Curtis**

Professor, Mathematics 1992  
 Bachelor's (B.S.) Mathematics, University of Washington  
 Master's (M.S.) Mathematics, University of Washington  
 Doctorate (Ph.D.) Mathematics, University of Washington

**John Davenport**

Assistant Professor, Geography 2015  
 Bachelor's (B.A.) Geography, University of Oklahoma  
 Master's (M.A.) Geography, California State University Northridge  
 Doctorate (Ph.D.) Geography, University of Kentucky

**Michelle Dawson**

Assistant Professor, Marketing 2009  
 Bachelor's (B.S.B.A.) Business Administration (Management), Missouri Southern State University  
 Master's (M.B.A.) Business Administration, Missouri State University

**Peggy Day**

Assistant Professor, Teacher Education, 2011  
 Bachelor's (B.S.E.) Education, Missouri Southern State University  
 Master's (M.A.) Communication, Pittsburg State University

**Will Delehanty**

Associate Professor, Political Science 2010  
 Bachelor's (B.G.S.) General Studies/Political Science, University of Kansas  
 Master's (M.A.) Political Science, University of Kansas  
 Doctorate (Ph.D.) Political Science, University of Kansas

**James Donelson**

Assistant Professor, Chemistry 2010  
 Interim Chair, Chemistry and Physical Sciences  
 Bachelor's (B.S.) Chemistry & microbiology, University of Arkansas  
 Doctorate (Ph.D.) Medical Chemistry & Molecular Pharmacy, Purdue University

**Megan Douglas**

Instructor, Management 2010  
 Bachelor's (B.S.B.A.), Missouri Southern State University  
 Master's (M.B.A.), Pittsburg State University  
 Master's (MAT), Missouri State University  
 P.H.R. (Professional in Human Resources)

**Stu Dunlop**

Professional-in-Residence, Marketing 2008  
 Bachelor's (B.S.), Missouri University of Science and Technology  
 Master's (M.B.A.), Missouri State University

**Stephanie Schartel Dunn**

Assistant Professor, Marketing 2018  
 Bachelor's (B.S.Ed.), Pittsburg State University  
 Master's (M.A.), Pittsburg State University  
 Doctorate (Ph.D.), University of Oklahoma  
 Post-Doctoral Bridge Program, University of Florida

**Ricardo J. Espinosa**

Associate Professor, Music 2014  
 Bachelor's (B.M.), California State University  
 Master's (M.M.), University of California  
 Doctorate (Ed.D.), University of California

**Jenny Lee Ferguson**

Visiting Assistant Professor, English 2018  
 Bachelor's (B.A.), York University  
 Master's (M.A.), University of Windsor  
 Doctorate (Ph.D.), University of South Dakota

**William Fischer**

Assistant Professor, History 2015  
 Bachelor's (B.S.), Carleton College  
 Master's (M.S.), University of Florida  
 Doctorate (Ph.D.), University of Florida

**Michael D. Fletcher**

Professor, Biology 1994  
 Director of Environmental Health  
 Bachelor's (B.S.), Southwest Missouri State University  
 Master's (M.S.), University of Oklahoma  
 Doctorate (Ph.D.), Oklahoma State University

**Elizabeth Gall**

Master Instructor, Nursing 2018  
 Bachelors (B.S.B.A.), Sterling College  
 Bachelors (B.S.N.), Cox College  
 Master's (M.S.N.), Missouri State University  
 Master's (M.S.Ed.), Missouri Baptist University

**Rubén Galve Rivera**

Assistant Professor, Foreign Languages 2014  
 Bachelor's (B.A.) Universidad de Sevilla  
 Master's (M.A.), Texas Tech University  
 Doctorate (Ph.D.), Texas Tech University

**Michael P. Garoutte**

Professor, Chemistry 1997  
 Bachelor's (B.S.), Missouri Southern State University  
 Doctorate (Ph.D.), University of Kansas

**Tara Garrity**

Master Instructor, Social Work 2018  
 Associate's (A.A.), Ozarks Technical Community College  
 Bachelor's (B.A.), Missouri Southern State University  
 Master's (M.S.W.), Missouri State University

**Amy Gates**

Assistant Professor, English & Philosophy 2016  
 Bachelor's (B.S.), Truman State University  
 Master's (M.A.), Truman State University  
 Doctorate (Ph.D.), University of Illinois-Chicago



**Lynell Gilbert-Saunders**

Associate Professor, Chemistry 2006  
Bachelor's (B.S.), Missouri Southern State University  
Doctorate (Ph.D.), University of Missouri-Rolla

**Carissa Gober**

Assistant Professor, Teacher Education 2015  
Bachelor's (B.S.), Pittsburg State University  
Master's (M.S.), Pittsburg State University  
Doctorate (Ed.D.), Lindenwood University

**Alma Gonzales**

Master Instructor, Chemistry 2017  
Bachelor's (B.S.), University of the Philippines  
Master's (M.S.), Bowling Green State University  
Master's (M.S.), Clemson University  
Doctorate (Ed.D.), Mindanao State University

**Jeri Goswick**

Visiting Assistant Professor, Teacher Education 2018  
Bachelor's (B.A.), Missouri Southern State University  
Master's (M.S.), Missouri State University  
Doctorate (Ed.D.), University of Missouri-Columbia

**Katherine Gray**

Visiting Assistant Professor, English & Philosophy 2016  
Bachelor's (B.S.E.), Missouri Southern State University  
Master's (M.S.E.), Southwest Missouri State University

**Natalie C. Grecu**

Assistant Professor, Communication 2015  
Bachelor's (B.A.), Purdue University  
Master's (M.A.), University of Colorado  
Doctoral Candidate (Ph.D.), Washington State University

**Frederick Green II**

Assistant Professor, Music 2014  
Bachelor's (B.A.), Rollins College  
Master's (M.M.), University of Florida

**Jill Greer**

Associate Professor, Sociology, 2005  
Bachelor's (B.A.), University of Arkansas  
Master's (M.A.), University of Missouri - Columbia  
Doctorate (Ph.D.), University of Missouri - Columbia  
Postgraduate Studies, University of Arizona

**Conrad E. Gubera**

Professor, Sociology 1967  
Bachelor's (B.S.), Pittsburg State University  
Master's (M.S.), Pittsburg State University  
Doctorate (Ph.D.), Oklahoma State University  
Post-Doctoral Studies, Columbia University/University of Chicago  
Fellow with National Council on US-Arab Relations, Washington, DC  
Fellow with East-West Center, University of Hawaii (Honolulu)  
Fulbright-Hayes Scholar (Hungary & Poland)  
Fulbright-Hayes Scholar (Egypt)

**Mikh Gunderman**

Assistant Professor, Criminal Justice 2015  
Bachelor's (B.S.), Appalachian State University

Master's, (M.S.), Appalachian State University  
Doctoral Candidate (Ph.D.), University of Missouri - St. Louis

**Bornface Gunsaru**

Assistant Professor, Chemistry 2018  
Bachelor's (B.S.), University of Zimbabwe  
Doctorate (Ph.D.), Portland State University

**Kyle Gustafson**

Assistant Professor, Biology & Environmental Health 2018  
Bachelor's (B.S.), University of North Dakota  
Master's (M.S.), University of North Dakota  
Doctorate (Ph.D.), Oklahoma State University  
Graduate Certificate, Oklahoma State University

**Holly Hackett**

Associate Professor, Psychology 2011  
Department Chair, Psychology  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.A.), New Mexico State University  
Doctorate (Ph.D.), New Mexico State University

**Lorinda Hackett**

Associate Professor, Teacher Education 2006  
Interim Dean, School of Education  
Bachelor's (B.S.E.), Northwest Missouri State University  
Master's (M.S.Ed.), Northwest Missouri State University  
Specialist (Ed.S.), Pittsburg State University

**Whitney Hamm**

Lecturer, Library 2017  
Archivist/Librarian  
Bachelor's (B.A.), University of Arkansas  
Master's (M.I.L.), Kent State University

**Rebecca Harshaw**

Clinical Instructor, Dental Hygiene 2018  
Associate's (A.S.), Missouri Southern State University  
Bachelor's (B.S.), Missouri Southern State University

**Patricia Hemptmyer**

Assistant Professor, Nursing 2005  
Bachelor's (B.S.N.) Wichita State University  
Master's (M.S.N.) Wichita State University

**Dennis L. Herr**

Professor, Computer Information Science 1985  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.B.A.), Pittsburg State University  
Certified Data Processor (CDP)

**Cherona Hicklin**

Assistant Professor, Teacher Education 2010  
Bachelor's (B.S.E.), Missouri Southern State University  
Master's (M.S.), Pittsburg State University  
Specialist (Ed.S.), Southwest Baptist University  
Doctorate (Ed.D.), Southwest Baptist University

**Robert Hilton**

Assistant Professor, Management 2016  
Bachelor's (B.S.), University of the Ozarks  
Master's (M.B.A.), University of Central Arkansas  
Doctorate (D.B.A.), Nova Southeastern University

**Mary (Michelle) Holt**

Master Instructor, Modern Language 2018  
 Bachelor's (B.A.), College of the Ozarks  
 Master's (M.A.), Purdue University

**Aladar Horvath**

Assistant Professor, Management 2016  
 Bachelor's (B.S.), Purdue University  
 Master's (M.B.A.), Michigan State University  
 Doctorate (Ph.D.), Michigan State University

**Sherman X. Hou**

Professor, Foreign Languages 1996  
 Chair, Department of Foreign Languages  
 Bachelor's (B.S.), Donghua University  
 Master's (M.A.), Beijing Foreign Language University  
 Master's (M.A.), University of Hawaii at Manoa  
 Doctorate (Ph.D.), Nova Southeastern University

**Michael Howarth**

Associate Professor, English & Philosophy 2008  
 Director of Honors Program  
 Bachelor's (B.A.), James Madison University  
 Master's (M.A.), University of Alaska at Anchorage  
 Doctorate (Ph.D.), University of Louisiana at Lafayette

**Elke M. Howe**

Professor, Engineering Technology 2001  
 Chair, Department of Engineering Technology  
 Bachelor's (B.S.E.T.), Pittsburg State University  
 Master's (M.B.A.), Pittsburg State University  
 Doctorate (Ed.D.), University of Arkansas

**Loreen R. Huffman**

Professor, Psychology 1996  
 Bachelor's (B.S.), Pennsylvania State University  
 Master's (M.S.), Rutgers University  
 Doctorate (Ph.D.), Rutgers University

**William E. Huffman**

Professor, Accounting 2000  
 Bachelor's (B.B.A.), Pittsburg State University  
 Master's (M.Acct.), Kansas State University  
 Doctorate (Ph.D.), University of North Texas  
 Certified Public Accountant (CPA)

**Mike Hulderman**

Associate Professor, Criminal Justice 2013  
 Chair, Department of Criminal Justice  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.), Northeastern State University  
 Specialist (Ed.S.), Pittsburg State University  
 Doctorate (Ed.D.), Oklahoma State University

**Vivian Jackson**

Assistant Professor, Nursing 2011  
 Bachelor's (B.S.N.), Pittsburg State University  
 Master's (M.S.N.), University of Kansas

**Anne M. Jaros**

Professor, Theatre 1989  
 Bachelor's (B.F.A.), University of Illinois  
 Master's (M.F.A.), Northwestern University

**Donna Johnson**

Professor, Biology 2006  
 Bachelor's (B.S.), University of Missouri  
 Doctorate (D.V.M.), University of Missouri

**Kerry D. Johnson**

Professor, Mathematics 1998  
 Chair, Department of Mathematics  
 Bachelor's (B.S.), Arkansas Tech University  
 Master's (M.S.), Oklahoma State University  
 Doctorate (Ed.D.), Oklahoma State University

**Kevin Keller**

Instructor, International English 2014  
 Bachelor's (B.A.), Missouri Southern State University  
 Bachelor's (B.A.), Missouri Southern State University  
 Master's (M.A.), Missouri State University

**Peyton Kessler**

Clinical Instructor, Nursing 2016  
 Associate's (A.A.S.), Labette Community College  
 Bachelor's (B.S.), Pittsburg State University  
 Bachelor's (B.S.N.), Pittsburg State University  
 Master's (M.S.E.), Pittsburg State University  
 Master's (M.S.), University of Arkansas  
 Doctorate (D.P.N.), University of Arkansas

**John Kilmer**

Lecturer, Biology 2016  
 Bachelor's (B.S.), College of the Ozarks  
 Master's (M.S.), Arkansas State University

**Mary Kilmer**

Assistant Professor, Environmental Health 2016  
 Bachelor's (B.S.), College of the Ozarks  
 Master's (M.A.), University of Missouri-Columbia  
 Master's (M.S.), Arkansas State University  
 Doctorate (Ph.D.), Arkansas State University

**James E. Kilpatrick, Jr.**

Associate Professor, Modern Languages 2004  
 Department Chair, Modern Languages  
 Bachelor's (B.S.E.), Missouri Southern State University  
 Master's (M.A.), University of Arkansas  
 Doctorate (Ph.D.), University of Kansas

**Hyunjung Kim**

Assistant Professor, Communication 2013  
 Bachelor's (B.A.), Seoul Women's University  
 Master's (M.A.), Florida State University  
 Doctorate (Ph.D.), SUNY Buffalo

**Karen Kostan**

Associate Professor, Psychology 2008  
 Bachelor's (B.S.), University of Wisconsin  
 Master's (M.A.), University of California-Davis  
 Doctorate (Ph.D.), University of California-Davis

**William A. Kumbier**

Professor, English & Philosophy 1989  
 Bachelor's (B.A.), Michigan State University  
 Doctorate (Ph.D.), State University of New York at Buffalo

**Richard A. Laird**

Professor, Mathematics 2000  
 Bachelor's (B.S.E.), Emporia State University  
 Master's (M.S.), Emporia State University  
 Doctorate (Ph.D.), Kansas State University

**Kelly B. Larson**

Associate Professor, Communication 1999  
 Bachelor's (B.S.), North Dakota State University  
 Master's (M.A.), North Dakota State University  
 Ph.D. Candidate, University of Missouri-Columbia

**Grant Lathrom**

Associate Professor, Mathematics 2006  
 Bachelor's (B.S.), Missouri State University  
 Master's (M.S.), Missouri State University  
 Doctorate (Ph.D.), Missouri University of Science & Technology

**Edward (Ted) Lee**

Associate Professor, Emergency Medical Services 2017  
 Associate's (A.A.), Asheville Buncombe Tech Community College  
 Bachelor's (B.S.), George Washington University  
 Master's (M.S.E.), Liberty University  
 Specialist (Ed.S.), Liberty University

**Crystal R. Lemmons**

Professor, Biology 2001  
 Doctorate (D.V.M.), University of Missouri-Columbia

**Hong Li**

Instructor, Library 2012  
 Technical Services Librarian  
 Bachelor's (B.A.), Lanzhou University  
 Master's (M.A.), University of Missouri-Columbia  
 Master's (M.L.S.), University of Missouri-Columbia  
 Doctorate (Ph.D.), University of Missouri-Columbia

**Ann Lile**

Assistant Professor, Theatre 2008  
 Bachelor's (B.A.), Midwestern State University  
 Master's (M.S.), East Texas State University  
 Master's (M.Ed.), Kent State University

**James E. Lile, Jr.**

Associate Professor, Theatre 2004  
 Chair, Department of Theatre  
 Bachelor's (B.A.), East Texas State University  
 Master's (M.A.), East Texas State University  
 Doctorate (Ph. D.), Kent State University

**Mari Beth Linder**

Professor, Nursing 1999  
 Bachelor's (B.S.N.), Pittsburg State University  
 Master's (M.S.N.), University of Mississippi  
 Doctorate (Ph.D.), University of Missouri-Kansas City

**Susana Liso**

Assistant Professor, Foreign Language 2011  
 Bachelor's (B.A.), University of Navarra  
 Master's (M.A.), Ohio State University  
 Doctorate (Ph. D.), Ohio State University

**David A. Locher**

Professor, Sociology 1996  
 Bachelor's (B.G.S.), Kent State University  
 Master's (M.A.), Kent State University  
 Doctorate (Ph.D.), Kent State University

**Melissa Locher**

Assistant Professor, Teacher Education 2013  
 Bachelor's (B.S.Ed.), SUNY College at Buffalo  
 Master's (M.S.Ed.), University of Kentucky  
 Doctorate (Ed.D.), University of Missouri-Columbia

**Terry D. Marion**

Professor, Management 1976  
 Bachelor's (B.S.), Southwest Missouri State University  
 Master's (M.S.), Pittsburg State University  
 Specialist (Ed.S.), Pittsburg State University  
 A.B.D., University of Arkansas

**Daniel B. Marsh**

Professor, Physics 1997  
 Bachelor's (B.A.), Drury College  
 Master's (M.S.), University of Arkansas  
 Doctorate (Ph.D.), Missouri University of Science & Technology

**James J. Marsh**

Assistant Professor, Engineering Technology 2011  
 Bachelor's (B.S.), Worcester Polytechnic Institute  
 Master's (M.B.A.), Lawrence Tech University

**Kristi Mascher**

Instructor, Teacher Education 2017  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.Ed.), University of Missouri-Columbia

**Christi Mattix**

Instructor, Accounting 2011  
 Bachelor's (B.S.B.A.), Missouri Southern State University  
 Master's (M.B.A.), Pittsburg State University

**Wendy McGrane**

Professor, Library 1999  
 Associate Vice President Academic Affairs/Vice Provost  
 Bachelor's (B.A.), Mercer University  
 Master's (M.L.I.S.), University of Oklahoma  
 Doctorate (Ph.D.), Capella University

**Kyle McKenzie**

Assistant Professor, Art 2014  
 Bachelor's (B.A.), Missouri Southern State University  
 Master's (M.A.), Pittsburg State University  
 Master's (M.F.A.), University of Arkansas

**Holly McSpadden**

Professor, English & Philosophy 1999  
 Bachelor's (B.A.), University of Colorado  
 Master's (M.A.), University of Texas  
 Doctorate (Ph.D.), University of Texas

**Farida Mehrhoff**

Visiting Assistant Professor, Biology 2018  
 M.D., Kazan State Medical Academy (Russia)  
 M.D., Republican Clinical Hospital (Russia)  
 M.D., Kazan State Medical University (Russia)

**Sherilyn Merritt**

Clinical Instructor, Dental Hygiene 2015  
 Associate's (A.S.), Missouri Southern State University  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.Ed.), William Woods University

**Richard B. Miller**

Professor, Sociology 1985  
 Director of Disney Internships  
 Bachelor's (B.A.), Henderson State University  
 Master's (M.A.), University of Memphis  
 Doctorate (Ph.D.), Oklahoma State University

**Amber L. Mintert**

Assistant Professor, Art 2014  
 Bachelor's (B.S.Ed.), Missouri State University  
 Master's (M.S. Ed.), Pittsburg State University

**Maryann Mitts**

Assistant Professor, Kinesiology 2001  
 Bachelor's (B.A.), Rockhurst College  
 Master's (M.A.), University of Missouri-Kansas City  
 Doctorate (Ph.D.), University of Arkansas

**Aaron Moore**

Visiting Assistant Professor, Chemical & Physical Sciences 2018  
 Bachelor's (B.S.), Southwest Missouri State University  
 Doctorate (Ph.D.), Kansas State University

**J. Chris Moos**

Professor, International Business 2003  
 Bachelor's (B.S.B.A.), Wichita State University  
 Master's (M.B.A.), Wichita State University  
 Doctorate (Ph.D.), Swiss Management Center University

**Rebecca Mouser**

Assistant Professor, English & Philosophy 2014  
 Bachelor's (B.A.), Central Methodist University  
 Master's (M.A.), University of Missouri  
 Doctorate (Ph.D.), University of Missouri

**Douglas Myers**

Instructor, Management 2011  
 Bachelor's (B.S.B.A.), Missouri Southern State University  
 Master's (M.B.A.), Missouri State University

**William (Chase) Neely**

Lecturer, Music 2016  
 Bachelor's (B.A.), Missouri Southern State University  
 Master's (M.M.), University of Arkansas

**Brian Neugebauer**

Lecturer, Teacher Education 2015  
 Bachelor's (B.B.L.), Ozark Christian College  
 Bachelor's (B.S.E.), Missouri Southern State University  
 Master's (M.S.E.), William Woods University

**Brian K. Nichols**

Associate Professor, Finance 2000  
 Bachelor's (B.S.B.A.), Missouri Southern State University  
 Master's (M.B.A.), University of Chicago  
 Doctorate (Ph.D.), University of Arkansas

**Canes Nicolas**

Assistant Professor, Music 2018  
 Bachelor's (B.A.), University of Minnesota  
 Master's (M.M.), Ohio University  
 Doctorate (D.M.A.), University of Nebraska-Lincoln

**Nicholas P. Nicoletti**

Associate Professor, Political Science 2013  
 Bachelor's (B.A.), SUNY Brockport  
 Master's (M.S.), St. John Fisher College  
 Master's (M.B.A.), St. John Fisher College  
 Doctorate (Ph.D.), University of Buffalo, SUNY

**Coeta Ogle**

Assistant Professor, Nursing 2014  
 Associate's (A.D.N.), Crowder College  
 Bachelor's (B.S.N.), Missouri Southern State University  
 Master's (M.S.N.), Graceland University

**Ed Outhouse**

Assistant Professor, Art 2013  
 Bachelor's (B.S.), University of Arkansas-Fort Smith  
 Master's (M.F.A.), Iowa State University

**David Penning**

Assistant Professor, Biology 2016  
 Bachelor's (B.A.), University of Central Missouri  
 Master's (M.S.), University of Central Missouri  
 Doctorate, (Ed.D.), University of Louisiana at Lafayette

**Carly Peterson**

Master Instructor, English 2017  
 Bachelor's (B.A.), Missouri State University  
 Master's (M.Ed.), Drury University  
 Master's (M.A.), Missouri State University

**William T. Pinet**

Professor, Computer Information Science 1997  
 Bachelor's (B.S.), The School of the Ozarks  
 Master's (M.S.), University of Missouri-Rolla

**Glenda A. Pippin**

Chair, Respiratory Therapy 2000  
 Bachelor's (B.S.), California College for Health Sciences  
 Registered Respiratory Therapist (RRT)  
 Certified Pulmonary Function Technologist (CPFT)  
 Neonatal/Pediatric Specialist (NPS)

**Frank Pishkur**

Associate Professor, Art 2005  
 Bachelor's (B.F.A.), Indiana State University  
 Master's (M.F.A.), Wichita State University

**Kayla Reed**

Lecturer, Library 2017  
 Bachelor's (B.A.) Missouri Southern State University  
 Master's (M.L.I.S.), Kent State University

**Victoria Rhodes**

Visiting Assistant Professor, Biology & Environmental Health 2017  
 Bachelor's (B.S.), Kansas State University  
 Doctorate (Ph.D.), Kansas State University

**Zackary Rice**

Lecturer, Teacher Education 2017  
 Bachelor's (B.A.), Mid-America Nazarene University  
 Master's (M.Ed.), Southwestern College  
 ABD, Southwestern College

**Anna Rinner**

Assistant Professor, Biology & Environmental Health 2014  
 Bachelor's (B.A.), Washburn University  
 Doctorate (Ph.D.), Purdue University

**Elizabeth Robinson**

Assistant Professor, Music 2018  
 Bachelor's (B.M.), Drake University  
 Master's (M.M.A.), San Francisco State University  
 Doctorate (D.M.A.), Ball State University

**Michael T. Rodgers**

Associate Professor, English & Philosophy 1987  
 Bachelor's (B.A.), Central State University, Ohio  
 Master's (M.A.), Pittsburg State University  
 Doctoral Studies, University of Tulsa

**Kim Rogers**

Assistant Professor, Dental Hygiene 2000  
 Associate's (A.S.), Missouri Southern State University  
 Bachelor's (B.G.S.), Missouri Southern State University  
 Master's (M.P.S.), Fort Hays State University

**Shannon Sample**

Lecturer, Biology 2015  
 Bachelor's (B.S.), Missouri Southern State University  
 Bachelor's (B.S.E.), Missouri Southern State University  
 Master's (M.S.), University of Nebraska at Kearney

**Stephanie Schiding**

Lecturer, Kinesiology 2016  
 Associate's (A.S.), Allen County Community College  
 Bachelor's (B.S.E.), Missouri Southern State University  
 Master's (M.S.), Pittsburg State University

**Alan Schiska**

Associate Professor, Radiology 2001  
 Chair, Radiology  
 Associate's (A.S.), Missouri Southern State University  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.E.), Pittsburg State University

**Laura Schisler**

Assistant Professor, Teacher Education 2017  
 Bachelor's (B.S.), Truman State University  
 Master's (M.A.T.), Missouri State University  
 ABD, Texas Tech University

**Thomas Schmidt**

Associate Professor, Marketing 2011  
 Bachelor's (B.A.), Drury University

Master's (M.B.A.), Drury University  
 Doctorate (Ph.D.), Saint Louis University

**Richard Schooler**

Associate Professor, Health Science 2016  
 Dean, School of Health Sciences  
 Bachelor's (B.A.), Pittsburg State University  
 Doctorate (D.O.), University of Health Sciences-Kansas City

**David Sharlow**

Associate Professor, Music 2010  
 Assistant Dean, School of Arts & Sciences  
 Bachelor's (B.M.E.), Friends University  
 Master's (M.M.E.), Wichita State University  
 Doctorate (Ph.D.), University of Kansas City

**Narinder Sharma**

Assistant Professor, Biology & Environmental Health 2018  
 Bachelor's (B.S.), D.A.V. College (India)  
 Master's (M.S.), Guru Nanek Dev University (India)  
 Doctorate (Ph.D.), Institute of Microbial Technology (India)  
 Postdoctoral, University of Kansas Medical Center  
 Postdoctoral, Kansas State University

**Nicole Shoaf**

Assistant Professor, Political Science 2015  
 Bachelor's (B.S.), Missouri State University  
 Doctorate (Ph.D.), University of Missouri \

**Rebecca Shriver**

Assistant Professor, History 2018  
 European Union Studies Certification,  
 Bachelor's (B.A.), Kennesaw State University  
 Master's (M.A.), Florida State University  
 Doctorate (Ph.D.), Florida State University

**Shanna Slavings**

Assistant Professor, Communication 2010  
 Bachelor's (B.S.), Missouri State University  
 Master's (M.A.), Missouri State University

**Carla Smith**

Assistant Professor, Kinesiology 2018  
 Bachelor's (B.S.E.), Henderson State University  
 Master's (M.S.E.), Henderson State University  
 Doctorate (Ph.D.), University of Arkansas

**David M. Smith**

Professor, Accounting 1995  
 Chair, Department of Accounting/Economics/Finance  
 Bachelor's (B.S.), University of Illinois at Urbana-Champaign  
 Master's (M.A.S.), University of Illinois at Urbana-Champaign  
 Doctorate (Ph.D.), University of North Texas  
 Certified Public Accountant (CPA)

**Leslie Smith**

Assistant Professor, Modern Languages 2003  
 Bachelor's (B.A.), Missouri Southern State University  
 Master's (M.A.), University of Arkansas - Fayetteville



**Stephen D. Smith**

Associate Professor, Geography 2004  
Chair, Department of Social Science  
Bachelor's (B.S.), University of Central Arkansas  
Master's (M.S.), Georgia Institute of Technology  
Master's (M.A.), Pennsylvania State University  
Doctorate (Ph.D.), Pennsylvania State University  
Postgraduate Studies, University of Michigan  
Freeman Foundation Scholar, Japan Studies Association

**Susan K. Smith**

Professor, Music 1996  
Director of Vocal Studies  
Bachelor's (B.M.), University of Wisconsin-Eau Claire  
Master's (M.M.), University of Northern Colorado  
Doctorate (D.A.), University of Northern Colorado

**Richard E. Spencer**

Associate Professor, Criminal Justice 1995  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.S.), University of Central Missouri

**J. J. Spurlin, Jr.**

Associate Professor, Criminal Justice 1998  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.S.), Pittsburg State University  
Specialist (Ed.S.), Pittsburg State University

**Rachel Stanley**

Master Instructor, Honors Program  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.S.), University of Central Missouri

**Chad D. Stebbins**

Professor, Communication 1984  
Director, Institute of International Studies  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.A.), University of Central Missouri  
Doctorate (Ph.D.), Bowling Green State University

**Jennifer Stegall**

Assistant Professor, Teacher Education 2016  
Bachelor's (B.S.), Missouri State University  
Master's (M.Ed.), Regent University  
Doctorate (Ph.D.), University of Missouri

**Tia Marie Strait**

Professor, Dental Hygiene 1991  
Dean, School of Health Sciences  
Associate's (A.S.), Missouri Southern State University  
Bachelor's (B.G.S.), Missouri Southern State University  
Master's (M.S.), Pittsburg State University  
Doctorate (Ed.D.), Saint Louis University

**John H. Summerfield**

Professor, Chemistry 1995  
Bachelor's (B.S.), Portland State University  
Bachelor's (B.S.), The Evergreen State College  
Doctorate (Ph.D.) Oregon State University

**Jency P. Sundararajan**

Assistant Professor, Physics 2014  
Bachelor's (B.S.), Holy Cross College

Master's (M.S.), Bharathidasan University  
Master's (M. Phil.), St. Joseph's College  
Master's (M.S.), University of Idaho  
Doctorate (Ph.D.), University of Idaho

**Keith Talley**

Professor, Music 2016  
Department Chair, Music  
Bachelor's (B.S.), Missouri Southern State University  
Master's (M.M.), University of Missouri-KC Conservatory of Music  
Doctorate (D.M.A.), Michigan State University of Texas at Austin

**Cliff Toliver**

Professor, English & Philosophy 2001  
Bachelor's (B.A.), Texas Tech University  
Master's (M.A.), University of Texas  
Law Degree (J.D.), University of Texas  
Doctorate (Ph.D.), University of Texas

**Susan Tucker**

Associate Professor, Psychology 2010  
Bachelor's (B.A.), Missouri Western State College  
Master's (M.A.), University of Missouri  
Doctorate (Ph.D.), University of Missouri

**T. A. Vernon**

Professor, Management 1988  
Bachelor's (B.S.), University of Tennessee-Knoxville  
Master's (M.B.A.), University of Mississippi  
Doctorate (D.B.A.), Louisiana Tech University  
CQE (Certified Quality Engineer)

**Steven T. Wagner**

Professor, History 2000  
Bachelor's (B.A.), Purdue University  
Master's (M.A.), Purdue University  
Doctorate (Ph.D.), Purdue University  
Summer Studies, Oxford University, England

**Huaqing Wang**

Assistant Professor, Management 2018  
Bachelor's (B.S.), University of Shanghai for Science & Technology  
Bachelor's (B.B.A.), Fudan University  
Master's (M.B.A.), Iowa State University  
Doctorate (Ph.D.), University of Miami

**Xiaocan (Lucy) Wang**

Associate Professor, Library 2014  
Bachelor's (B.A.), Sichuan University  
Master's (M.S.), Southern Polytechnic State University  
Master's (M.L.I.S.), University of Oklahoma

**Zak Watson**

Associate Professor, English & Philosophy 2016  
Department Chair, English & Philosophy  
Bachelor's (B.A.), University of Missouri  
Master's (M.A.), University of Georgia  
Doctorate (Ph.D.), University of Missouri

**Scott J. Wells**

Professor, Biology 1993  
Doctorate (D.V.M.), University of Missouri

**N. Ree Wells-Lewis**

Professor, Sociology 1993  
 Interim Chair, Social Science  
 Bachelor's (B.S.), Louisiana State University  
 Master's (M.A.), Louisiana State University  
 Doctorate (Ph.D.), Louisiana State University  
 Summer Studies, University of Hyderabad, Hyderabad, India

**Renee White**

Associate Professor, Social Work 2015  
 Chair, Department of Social Work  
 Bachelor's (B.S.W.), Pittsburg State University  
 Master's (M.S.W.), University of Arkansas, Little Rock  
 Doctorate (Ed.D.), University of Missouri, Columbia

**Jason E. Willand**

Assistant Professor, Biology & Environmental Health 2014  
 Bachelor's (B.S.), Western Illinois University  
 Master's (M.S.), Western Illinois University  
 Doctoral Candidate (Ph.D.), Southern Illinois University

**Chad Williams**

Master Instructor, Emergency Medical Services 2017  
 EMT/Paramedic Certification, Missouri Southern State University  
 Bachelor's (B.S.), Missouri Southern State University

**Tennyson Williams Jr.**

Master Instructor, Communication 2018  
 Bachelor's (B.S.), Pittsburg State University  
 Master's (M.S.), Pittsburg State University

**Marcia Wilmes**

Assistant Professor, Nursing 2016  
 Department Chair, Nursing  
 Associate's (A.S.), Missouri Western State College  
 Bachelor's (B.S.N.), Northwest Missouri State University  
 Master's (M.S.N.), University of Missouri-Columbia  
 Doctorate (Ph.D.), University of Missouri-St. Louis

**Claudia Wilson**

Assistant Professor, Engineering Technology Department 2008  
 Bachelor's (B.S.), Frieberg University of Mining & Technology  
 Master's (M.S.), Pittsburg State University

**Tim Wilson**

Associate Professor, Criminal Justice 2015  
 Chair, Department of Criminal Justice  
 Bachelor's (B.S.), Missouri Southern State University  
 Master's (M.S.), University of Central Missouri  
 Doctorate (Ph.D.), University of Arkansas

**Phillip C. Wise**

Professor, Music 1995  
 Director of Jazz Studies  
 Director of Music Education  
 Bachelor's (B.A.), William Penn University  
 Master's (M.A.), California State University, Dominguez Hills  
 Doctorate (Ph.D.), Union Institute & University

**Jeremy Wolfe**

Associate Professor, Social Work 2015  
 Bachelor's (B.A.), Johnson University

Master's (M.S.W.), Missouri State University  
 Doctorate (Ed.D.), University of Missouri

**Tanya Yantis**

Assistant Professor, Business 2011  
 Bachelor's (B.S.B.A.), Southeast Missouri State University  
 Master's (M.B.A.), Southeast Missouri State University

**Albert Yeboah-Forson**

Assistant Professor, Geophysics  
 Bachelor's (B.S.), Kwame Nkrumah Univ. of Science & Technology-Ghana  
 Master's (M.S.), Eberhard Karls University of Tübingen, Germany  
 Doctorate (Ph.D.), Florida International University

**Eric Yochum**

Visiting Assistant Professor, Business 2017  
 Bachelor's (B.S.), University of Missouri-Columbia  
 Master's (M.B.A.), University of Missouri-Columbia  
 ABD, University of Arkansas

**Jeff Zimmerman**

Professor, Dean of the School of Business 2017  
 Bachelor's (B.S.), State University of New York at Albany  
 Master's (M.A.), West Virginia University  
 Master's (M.S.), Purdue University  
 Doctorate (Ph.D.), Purdue University

# Emeritus Faculty

**Enid Blevins**

English, 1966

**Deborah Brown**

Teacher Education 1994

**Al Cade**

Teacher Education 1996

**Fred Cinotto**

Administration, 1965

**Samuel L. Claussen**

Theatre, 1977

**Lloyd Dryer**

Psychology, 1950

**Loretta Frazier**

Library, 1948

**Harry Gockel**

History/Geography, 1938

**Betsy Griffin**

History/Geography, 1938

**Cleetis Headlee**

English, 1946

**Julie Hughes**

History, 1979

**Duane L. Hunt**

Theatre, 1964

**Jim Jackson**

Biology, 1976

**J. Merrell Junkins**

Psychology, 1963

**Virginia Laas**

History, 1988

**Julio S. León**

Business, 1969

**William Livingston**

Mathematics, 1968

**Richard Massa**

Communications, 1972

**Martha Ann McCormick**

Math, 1937

**John Messick**

Biology, 1984

**Grace C. Mitchell**

English, 1958

**Melvyn Mosher**

Chemistry, 1974

**Gail Renner**

History, 1965

**Art Saltzman**

English & Philosophy, 1981

**Dorothy Stone**

Business, 1939

## COURSE DESCRIPTIONS

Subj	Crse #	TITLE	School	Cr Hr Low	Cr Hr High	DESCRIPTION	Terms Offered
ACCT	0201	Principles of Financial Accounting	BA	3		An introduction to accounting as an information communication function that supports economic decision making. The topics covered should help students understand the development of financial statements and their interpretation. Prerequisite: MATH 30 or higher.	F - Fall S - Spring SU - Summer
ACCT	0202	Principles of Managerial Accounting	BA	3		Use of accounting as a tool for the process of planning, controlling and decision making. Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. Prerequisite: ACCT 201.	F - Fall S - Spring SU - Summer
ACCT	0309	Accounting Information Systems	BA	3		A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisite or Co-Requisite: ACCT 202.	F - Fall S - Spring
ACCT	0312	Intermediate Accounting I	BA	3		A study of the four major financial statements, the conceptual framework underlying financial reporting, and generally accepted accounting principles (GAAP) for revenue recognition. Emphasis is placed on the importance of professional career development and ethics in the financial reporting process. Prerequisites: ACCT 201 and 202 with a grade of 'C' or above and MATH 129 or higher.	F - Fall S - Spring
ACCT	0322	Intermediate Accounting II	BA	3		Course that covers financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: accounting for assets, liabilities and stockholders' equity. Prerequisite: ACCT 312 with grade of 'C' or above.	F - Fall S - Spring
ACCT	0332	Intermediate Accounting III	BA	3		Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Coverage includes: (1) derivatives, (2) investments, (3) income taxes, (4) post-retirement benefits, (5) leases, (6) cash flows, (7) accounting changes and errors, (8) troubled debt restructuring, and (9) full disclosure in financial accounting. Prerequisite: ACCT 322.	F - Fall S - Spring
ACCT	0375	Tax Accounting I	BA	3		Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisites: ACCT 201 and 202 with a 'C' or above or permission.	F - Fall
ACCT	0376	VITA I	BA	2		An in-depth study of individual income taxation with particular emphasis on federal and Missouri tax return preparation. Students must pass the required tax certification exams offered by the IRS and will prepare individual tax returns. Prerequisite: ACCT 375 with a C or higher.	S - Spring
ACCT	0385	Cost Accounting	BA	3		Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on both technology and Quality Management as applied to industrial and service enterprises. Prerequisites: ACCT 202 with a 'C' or above, GB 321.	S - Spring SU - Summer
ACCT	0402	Advanced Accounting	BA	3		Application of accounting principles of business combinations, consolidated financial statements, foreign currency transactions, international accounting and governmental accounting. Prerequisite: ACCT 322.	F - Fall
ACCT	0408	Tax Accounting II	BA	3		Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: ACCT 375 or permission.	S - Spring
ACCT	0411	Auditing	BA	3		Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the use of statistical sampling, and performing an audit. Prerequisites: ACCT 312, ACCT 309. Prerequisite or co-requisite: ACCT 322.	F - Fall S - Spring
ACCT	0422	Advanced Cost Accounting	BA	3		Advanced study in decision models and cost information, system choice, strategy, and management control. Special emphasis on Quality Management and time related management control initiatives. Prerequisite: ACCT 385.	D - Demand
ACCT	0476	VITA II	BA	1		A continuation of VITA I where students prepare federal and other state tax returns. Students must pass the Basic, Intermediate and Advanced tax certification exams offered by the IRS, and will review basic and intermediate tax returns and prepare advanced individual tax returns. Prerequisite: ACCT 376 or instructor permission.	S - Spring
ACCT	0491	Internship in Accounting	BA	1	12	An internship for senior accounting students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.	D - Demand
ACCT	0498	Advanced Topics in Accounting	BA	1	3	For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.	D - Demand
ACCT	0499	Independent Study in Accounting	BA	1	6	Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.00 GPA. Repeatable up to six credit hours.	D - Demand

ACCT	0502	Financial Accounting and Reporting	BA	3		Advanced study of accounting for business combinations, foreign currency transactions and translation, reorganizations and liquidations, and financial reporting requirements of the Securities & Exchange Commission. Prerequisite or Co-requisite: ACCT 332 or permission of MAcc Program director.	F - Fall
ACCT	0508	Tax Planning and Research	BA	3		This course introduces the upper-division accounting major or master's degree student to the basic concepts, methods, and tools of tax research. The coverage is broad, exploring the general framework of tax law. Prerequisite: ACCT 408, graduate status or MAcc Program Director permission.	F - Fall
ACCT	0545	Integrative Accounting Seminar	BA	3		The course integrates financial accounting and fundamental managerial accounting topics with strategic analysis to evaluate the organization's objectives of liquidity, profitability, and operations efficiency. The emphasis is on cash flow statement, ratio analysis, and use of accounting information to facilitate ethical decision making, planning, budgetary control, and performance evaluation processes. Prerequisite: ACCT 322 and 385, graduate status or MAcc Program Director permission.	SU - Summer
ACCT	0585	Controllershship	BA	3		A study of how accounting and operating information is used in management planning and decision making. Students will apply advanced costing models and design and evaluate management decision making information systems. Topics will include issues that are appropriate for consideration by executive management and the board of directors. Prerequisite: ACCT 385 and graduate status or MAcc Program Director permission.	F - Fall
ACCT	0598	Special Topics in Accounting	BA	3		For upper division accounting and Masters of Accountancy students with topics to be announced each time the course is offered. Prerequisite: Masters of Accountancy candidate or permission of MAcc program director.	D - Demand
ACCT	0601	Ethics and Professional Responsibility	BA	3		This course will provide the student with a framework for making ethical decisions in the accounting environment. In addition, the course will provide an introduction to professional responsibility with a particular focus on the CPA profession, and review legal issues of primary interest to professional accountants. Prerequisite: GB 301.	S - Spring
ACCT	0604	Contemporary Auditing Issues	BA	3		In-depth study of significant pronouncements of the Auditing Standards Board and the Public Company Accounting Oversight Board. Pronouncements will be compared to standards issued by the International Auditing and Assurance Standards Board. Prerequisite: ACCT 411 and ACCT 502.	S - Spring
ACCT	0632	Seminar in Financial Accounting Theory	BA	3		Review of the principles, rules, and procedures underlying the broad area of external financial reporting, including comparisons of U.S. and International Accounting Standards. Literature of the course is composed of publications by authoritative accounting bodies and contemporary developments in academic research. Prerequisite: ACCT 502.	S - Spring
ACCT	0691	Professional Internship	BA	3		In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined, and evaluated during the semester. Prerequisite: Permission of MAcc Program Director and a minimum 3.0 GPA.	S - Spring
ACCT	0692	Seminar in Accounting Leadership	BA	3		An examination of the leadership and communication challenges associated with being a professional accountant. Students will lead and participate in teams of students while preparing income tax returns with the Volunteer Income Tax Assistance program.	S - Spring
ACCT	0698	Special Topics in Accounting	BA	3		For Masters of Accountancy students with topics to be announced each time the course is offered. Prerequisite: Masters of Accountancy candidate or permission of MAcc program director.	D - Demand
ACCT	0699	Independent Study in Accounting	BA	3		In consultation with coordinating professor, student selects a topic for intensive study in the student's program, with emphasis on research. Prerequisites: Permission of MAcc Program Director and a minimum 3.0 GPA.	D - Demand
ANTH	0101	General Anthropology	AS	3		This course will introduce students to the field of anthropology, including its historical origins and the four sub-fields central to the discipline today: socio-cultural, linguistic, archeological, and physical/biological branches. Applied aspects of each of the four subfields will also be addressed. An emphasis is placed on the holistic nature of the discipline. It centers on an evolutionary and comparative approach to our species. MOTR: ANTH 101	F - Fall
ANTH	0155	Physical Anthropology and Archaeology	AS	3		An introduction to physical (biological) anthropology that emphasizes the study of Homo sapiens evolution and diversity, as well as archeology which focused upon the myriad of artifacts created by this species. Languages, cultures, social organization, and human ecology are incorporated to facilitate an understanding of the "people of the earth". A recognition and appreciation of the "flora and fauna" are basic to this course.	F - Fall
ANTH	0298	Topics in Anthropology	AS	3		Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the Social Science Department.	D - Demand
ANTH	0302	North American Indians	AS	3		Ethnographic survey of the indigenous tribes of North America (excluding Mexico), including earliest archeological sequences followed by a description of the culture areas and traditional lifeways encompassed therein at the time of European contact. Emphasis upon the processes of culture change and adaptation over the past two centuries. Contemporary issues such as language renewal, the Pan-Indian movement, religious freedom, and tribal sovereignty are then placed within their cultural and historical contexts	D - Demand



ANTH	0304	Magic, Ritual, and Religion	AS	3	This course will examine early anthropological theories on the evolution of religion. It will also document the variety of belief systems surrounding the spiritual world in traditional and contemporary societies, including sorcery, shamanism, ancestor veneration, and transcendent experiences. Conceptions of the sacred and the significance of place make up another segment of the course, as does the role of myth in structuring human thought and societies. Religious practice in the form of ritual, prayer, and symbolism are included from the framework of cultural anthropology. Finally, it will address the effects of culture contact and diffusion of major world religions upon indigenous peoples' belief systems.	F - Fall
ANTH	0342	Comparative Cultures	AS	3	A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of cross-cultural comparison. Prerequisite: SOC 110 or ANTH 155 or consent of instructor.	S - Spring
ANTH	0370	Globalization & Native People	AS	3	Globalization and Native Peoples focuses on the increasingly interconnected nature of human cultures around our planet. In this class, students will examine the socioeconomic, cultural, and political processes that work to both advance and to harm the unique lifeways of the thousands of indigenous people living as political and ethnic minorities within different nations. The course will address the complex and often negative effects of multinational corporations seeking to exploit natural resources within the traditional lands of native peoples, as well as the local ecological and health impact of various agencies. The course will also explore the role of modern media, including the Internet's popular social network sites, in another aspect of globalization today. Finally, the opposing trends of a global monoculture vs. the active promotion or revitalization of native language, culture, beliefs, and values will be discussed. Prerequisite: ANTH 101 (or above) or INTS 201 or SOC 110 or special permission from the instructor. Cross-listed as INTS 370.	S - Spring
ANTH	0385	Language & Culture	AS	3	Exploration of the relationship between language and culture from the theoretical and substantive approaches within anthropology, including the Sapir-Whorf hypothesis and the attempts to support or refute it. An ethnographic examination of the expressive potentialities of diverse languages and cultures is provided for purposes of cross-cultural comparison.	D - Demand
ANTH	0498	Advanced Topics in Anthropology	AS	3	Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.	D - Demand
ANTH	0499	Independent Study	AS	3	Structured by the adviser with approval of the department chair and school dean. Repeatable up to six credit hours.	D - Demand
ART	0101	Two Dimensional Design	AS	3	Foundation studio course that incorporates principles and elements of design in solving studio problems. Six studio hours per week. There will be additional supply costs associated with this course.	F - Fall S - Spring
ART	0103	Three Dimensional Design	AS	3	Foundation studio course introducing the use of the Elements of Design and Principles of Composition to design and create three-dimensional objects and spaces. A variety of basic materials, tools, skills, and techniques are covered. The course consists of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week.	F - Fall S - Spring
ART	0110	Art Appreciation	AS	3	Intended for the non-art major, this survey course is designed to increase understanding and appreciation of the visual arts. An emphasis is placed on the development of cognitive and critical processes as they relate to the visual arts.. MOTR: ARTS 100	F - Fall S - Spring
ART	0130	Basic Drawing	AS	3	Development of perceptual and structural drawing skills through the study of line, value, perspective, and composition using various media. Six studio hours per week. There will be additional supply costs associated with this course.	F - Fall S - Spring
ART	0140	Basic Digital Photography/Computer Skills	AS	3	Introduction to digital photography and image editing emphasizing the technical and aesthetic issues and how these qualities inform image content. Control of camera settings, natural and studio lighting, and basic Photoshop editing is explored as well as career options in digital photography. A final printed and digital portfolio will be prepared. Students enrolled in the course must own a digital camera. Professional cameras, computers, software, lighting equipment and a studio will be provided for assignments. Six studio hours per week. Lab charge required. There may be additional supply costs in addition to course charges.	F - Fall S - Spring
ART	0200	Beginning Fibers	AS	3	Beginning studio course exploring terminology, materials, and processes of traditional fibers. An emphasis will be placed on investigating historical and contemporary uses of the three core fiber media: textiles, paper arts and weaving. Also the importance of the roles of functionality and craftsmanship will be examined. The course will consist of lecture, research, hands-on studio projects, verbal and written critiques, and discussions. There will be additional supply costs associated with this course.	D - Demand
ART	0205	Beginning Jewelry Design/Metalsmithing	AS	3	Creative exploration of design, basic metal fabrications, lost wax casting, and forging processes. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 103 (Three Dimensional Design) or approval of instructor.	F - Fall S - Spring
ART	0207	Beginning Ceramics	AS	3	An introduction to and the development of needed skills to use the potter's wheel to create basic pottery forms. Fundamentals of the entire ceramic process are introduced, including clay preparation, application of glazes, firing and methods and techniques of hand building with clay. There will be additional supply costs associated with this course. Six studio hours per week.	F - Fall S - Spring

ART	0211	Beginning Sculpture	AS	3		An introductory exploration of formal and conceptual issues found in creating sculpture. This exploration includes using additive, subtractive, and construction techniques using, but not limited to, traditional sculpture materials, equipment, and techniques. This course consists of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 103.	F - Fall S - Spring
ART	0212	Introduction to Printmaking	AS	3		Introduction to the printmaking tools, materials, techniques, and process of the (1) Intaglio: etching, drypoint, aquatint, and softground (2) Lithography (3) Monotype and monoprint (4) Relief: woodcut, linocut. Emphasis on drawing and design. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 130.	F - Fall S - Spring
ART	0215	Digital Illustration	AS	3		Introduces the visual principles of design and how to digitally illustrate those principles using appropriate design software. Emphasis is on development of software skills, ideation, and conceptualization of designs. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisites: ART 101.	F - Fall
ART	0216	Introduction to Web Design	AS	3		Introduction to the design theory and application of web design across multiple platforms using appropriate software. Emphasis is on development of software skills, ideation, conceptualization, and successful execution of web designs. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 215.	S - Spring
ART	0220	Art for the Elementary School Teacher	AS	2		Art theory and experiences, curriculum theory and appropriate materials, objectives, methods, activities, and resources preparatory to instruction of elementary school students. Lecture, discussion, and studio. Required for elementary education majors. There will be additional supply costs associated with this course. Prerequisites: None.	F - Fall S - Spring
ART	0232	Beginning Painting	AS	3		Procedures, techniques, historical processes, and basic fundamentals of painting with acrylic. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 101, ART 105 and ART 130.	F - Fall S - Spring
ART	0240	Introduction to Typography	AS	3		Introduction to the anatomy and vocabulary of typography and the process of creating original letterforms and typeface families using appropriate design software. Emphasis is on development of software skills, ideation, and conceptualization of designs. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 101.	F - Fall
ART	0251	Art History, Pre-Historic Through Gothic	AS	3		Historic survey of the visual arts primarily in the Near East, North Africa, and Europe from pre-historic times through the Middle Ages. MOTR: ARTS 101	F - Fall
ART	0252	Art History, Renaissance through Nineteenth Century	AS	3		Historic survey of the visual arts of Europe from the early Renaissance through the nineteenth century. A comparative study of other cultures will be included. MOTR: ARTS 102	S - Spring
ART	0270	Intermediate Drawing	AS	3		Intermediate studio course with an emphasis on perceptual, conceptual and technical development as it relates to the process of drawing. Six (6) studio hours per week. Prerequisite: ART 130.	F - Fall SU - Summer
ART	0295	Foundation Review	AS	0		Assessment process typically taken during the student's fourth semester that measures progression towards departmental objectives. Serves as entrance exam for our capstone experiences and as an admissions screening procedure for students interested in pursuing one of the departmental Bachelor of Fine Arts degrees. Prerequisite: A101, A103, A130, A140, A251 or A252, and either A215 and A240, or two of the following; A200, A205, A207, A211, A212, A232, or A270.	F - Fall S - Spring
ART	0298	Topics in Art	AS	1	3	Designed to give instruction in some discipline of Art not covered in other courses. Prerequisites to be determined by department.	
ART	0303	Art History, 19th Century	AS	3		Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism, and Post-Impressionism.	FO - Fall-Odd
ART	0304	Art History, 20th Century	AS	3		Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to present.	FE - Fall-Even
ART	0305	Art Theory	AS	3		Exploration of the theoretical and philosophical underpinnings of art through the study of art history, aesthetics, philosophy, criticism, and cultural influences. Includes readings, discussions, and investigation of the ideas and conditions that influence the inception and development of works of art. The course consists of lecture, research, verbal and written critiques, presentations and discussions. Prerequisites: ART 251 and 252 or permission of instructor.	S - Spring
ART	0306	Art History, African Art	AS	3		Historical survey of African art covering different groups of people, different periods, geographic areas, and mediums. Requirements: research paper, oral presentations, periodic tests.	SO - Spring-Odd
ART	0308	Women in Art	AS	3		A survey of the role of women as artists and subject in the visual arts from prehistory to the present. Prerequisites: Art Major or Art History Minor, or permission from instructor, 30 hours earned total.	SE - Spring-Even SU - Summer

ART	0309	History and Theory of Graphic Design	AS	3		A course structured to give the graphic design student a survey of the complex history of this field. The class will cover the topics in graphic design from prehistoric times through the present. Involved will be the invention of alphabet, printing, moveable type, manuscript, type design, and most forms of printing. In addition they will cover the major periods in advertising history and understand the important visual forms that expanded this profession. Students will observe, analyze and critique artwork attributed to major design innovators from various periods in history. Course will consist of research, verbal and written critiques, and discussions.	SE - Spring-Even
ART	0310	Water Media	AS	3		Mixed media painting class that may include techniques and aesthetic processes of watercolor painting. Six studio hrs. per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 232 or permission of instructor.	D - Demand
ART	0313	Intaglio/Relief	AS	3		A continuation of Beginning Printmaking (Art 212). Emphasis on the techniques involved in the Intaglio and Relief Printing processes. Students will complete four major projects for each of the printing processes resulting in a total of eight finished works. May be repeated for a total of six credit hours. Prerequisite: ART 212.	F - Fall
ART	0314	Silkscreen/Lithography	AS	3		A continuation of Beginning Printmaking (Art 212). Emphasis on the techniques involved in the Serigraphy (silkscreen), and lithographic printing processes. Students will complete eight finished works relevant to the silkscreen and lithographic printing process. May be repeated for a total of six credit hours. Prerequisite: ART 212.	S - Spring
ART	0320	Introduction to Gallery Studies	AS	3		Introduction to gallery functions through observation and participation. Experience will include lecture, installation, exhibition design, curatorial and gallery processes, marketing, and communication with artists. Prerequisites: Sophomore or higher, Art major or Art History minor, or permission from instructor.	F - Fall S - Spring
ART	0324	Semiotics and Symbology	AS	3		Design theory and application of semiotics and symbology, introducing the process of creating original symbols using appropriate design software. Emphasis is on development of software skills, ideation, and conceptualization of designs. Six Studio hours per week Prerequisite: Art 215.	S - Spring
ART	0325	Page Layout Design	AS	3		The design theory and application of single and multiple page documents using appropriate software. Emphasis is on development of software skills, ideation, conceptualization, and successful designs of various printed materials. There will be additional supply costs associated with this course. Prerequisite: ART 240.	F - Fall
ART	0326	Advanced Web Design	AS	3		Addresses the development of complex content for web design across multiple platforms using appropriate software. Emphasis is on development of software skills, ideation, conceptualization, and successful execution of web designs. Six Studio hours per week Prerequisite: ART 216.	S - Spring
ART	0327	Advanced Typography	AS	3		Design theory and application of experimental and non-traditional typography including using mixed media. Emphasis is on development of digital and non-digital design skills, ideation, and conceptualization of designs. Six Studio hours per week Prerequisite: ART 240.	S - Spring
ART	0330	Jewelry Design/Metalsmithing	AS	3		Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 205.	F - Fall S - Spring
ART	0332	Painting	AS	3		Students select two proposed individual content problems for self-development using a variety of media. The results will be two series of paintings on stretched canvas that provide unique solutions. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 232.	S - Spring
ART	0337	Wheel Throwing	AS	3		An intermediate level ceramics studio class with a focus on developing and expanding the skills and techniques used with the potter's wheel. Designed to improve knowledge and skills with using ceramic materials and techniques, especially in regards to creating functional pottery forms. This course consists of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 207.	F - Fall
ART	0338	Hand Building with Clay	AS	3		An intermediate-level ceramics studio class focusing on developing and expanding the skills and techniques of hand building objects with clay. Designed to improve knowledge and skills with ceramic materials and technique, especially in regards to creating sculpture ceramic forms. This course consists of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 207.	S - Spring
ART	0341	Sculpture Foundry	AS	3		An intermediate sculpture course focusing on plaster mold making and introducing the materials and techniques used in traditional (lost wax) as well as contemporary sculptural casting processes. Model making, investment, casting, chasing, and mounting of aluminum and/or bronze sculptures are covered. The course consists of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 211 or approval of instructor.	F - Fall
ART	0342	Sculpture	AS	3		An intermediate study of creating sculptural forms, focusing on improving knowledge and skills with materials and techniques, conceptual thinking, and visual communication. The course consists of lecture, research, presentations, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 211.	S - Spring

ART	0350	Packaging Design	AS	3	Introduces the development of three dimensional packaging and two dimensional labels for the distribution, storage, sale, and use of products. Emphasis is on development of software and hardware skills, ideation, conceptualization, and successful execution of packaging design. There will be additional supply costs associated with this course. Prerequisite: ART 240.	S - Spring
ART	0351	Identity Systems	AS	3	The theory and development of branding across multiple design platforms. Emphasis is on development of software and hardware skills, ideation, conceptualization, and successful execution of identity systems. There will be additional supply costs associated with this course. Prerequisite: ART 350.	F - Fall
ART	0352	Motion Graphics	AS	3	The theory and development of digital footage or animation combined with audio for multimedia output. This course also investigates various manual animation outputs. Emphasis is on development of software skills, ideation, conceptualization, and successful execution of both digital and manual animations. Prerequisite: ART 240.	F - Fall
ART	0360	Publications Design and Layout	AS	3	A course in the basic technical preparation of artwork prior to publication. Computer production techniques are taught in the context of simulated professional job processes. This course will cover specific computer and printing processes such as halftones and screens, one color, duotones and overlay techniques, two color, photo sizing, four color process printing, and color separations. Additionally, basic layout, imposition and bindery, studio business practices such as pricing, estimating, time tracking, budgets, client contact and presentation will be covered. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 325.	S - Spring
ART	0365	Swedish Photography Seminar	AS	3	Swedish Photography Seminar enrollment is limited to those individuals participating in the Summer in Sweden travel and study program. Course consists of lecture, on-site photography, critiques and photo lab work in traditional silver black and white photography. Meeting days and times will coordinate with required travel dates. Enrollment by permission of the Summer in Sweden Director or Art Department Head. Lab fee required.	SU - Summer
ART	0366	The Art of Scandinavia	AS	3	Art Historical survey of Scandinavian Art with enrollment limited to those individuals participating in the Summer in Sweden travel and study program. Art Students visit museums in Stockholm, Oslo, and Copenhagen to study a wide variety of Scandinavian art from many different periods. They observe, analyze and critique selected works and architecture from a wide variety of periods to compare and contrast with contemporary works. Course consists of travel, research, verbal and written critiques, and discussions. Enrollment by permission of the Summer in Sweden Director or Art Department Head.	SU - Summer
ART	0371	Life Drawing	AS	3	Drawing the human figure with emphasis on anatomy, structure and form using a variety of media. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisites: ART 101, ART 105 and ART 130.	S - Spring
ART	0372	Color Theory	AS	3	Studio course dealing with the theories, problems and applications of color in historical and contemporary usages in art. Six Studio hours per week. Prerequisite: Art 101.	F - Fall
ART	0380	K-8 Methods	AS	2	Exploration of Art Education theory, curriculum, materials, objectives, methods, activities, service learning, and resources preparatory to instruction of elementary school students. Lecture, discussion, and studio. Required for art education majors. First 8 weeks of semester. Must be in the Teacher Education program and have previously taken Junior Block courses.	F - Fall
ART	0381	9-12 Methods	AS	2	Exploration of Art Education theory, curriculum, materials, objectives, methods, activities, service learning, and resources preparatory to instruction of secondary school students. Lecture, discussion, and studio. Required for art education majors. Second 8 weeks of semester, taken immediately after ART 380 K-8 Methods. Must be in the Teacher Education program and have previously taken Junior Block courses.	F - Fall
ART	0385	Fibers	AS	3	Expands terminology, materials, and processes of using traditional fibers as an art media. An emphasis will be placed on working to develop a body of work with advanced technical and conceptual elements using textiles, paper arts and weaving. The importance of the roles of functionality and craftsmanship will be examined. Six (6) studio hours per week. Prerequisite: ART 200.	F - Fall
ART	0400	Advanced Drawing	AS	3	Advanced investigation of various drawing elements including compositions, structure, and aesthetics. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisites: ART 270 and ART 371.	F - Fall S - Spring
ART	0401	Advanced Painting	AS	3	Students select an individual problem for self-development using a variety of media. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 310 or ART 332.	F - Fall S - Spring
ART	0407	Advanced Ceramics	AS	3	Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 337 or ART 338 or approval of instructor.	F - Fall S - Spring

ART	0411	Advanced Sculpture	AS	3	An advanced study of sculpture designed to encourage independent thought and investigation to aid in developing the artist's personal imagery while improving knowledge and skills with materials and technique, conceptual thinking, and visual communication. The course will consist of lecture, research, studio projects, verbal and written critiques, and/or discussions. There will be additional supply costs in addition to course fees. Six studio hours per week. There will be additional supply costs associated with this course. Prerequisite: ART 341 or 342. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0412	Advanced Printmaking	AS	3	Serigraphy (silkscreen), lithography, intaglio, relief, and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency, and presentation. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours. Prerequisite: ART 313 or ART 314.	F - Fall S - Spring
ART	0422	Special Projects 1 in Graphic Design	AS	3	Advanced studio project selected by the student in a particular area of graphic design. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project. Prerequisite: ART 450 and approval of the instructor. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0423	Special Projects I in Jewelry/Metalsmithing	AS	3	An advanced studio study in jewelry and metalsmithing. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 330 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0424	Special Projects 1 in Painting	AS	3	An advanced studio study in painting. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 401 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0426	Special Projects I in Sculpture	AS	3	An advanced studio study in sculpture. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 411 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0427	Special Projects I in Ceramics	AS	3	An advanced studio study in ceramics. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 407 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0428	Special Projects I in Drawing	AS	3	An advanced studio study in drawing. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 400 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0429	Special Projects I in Printmaking	AS	3	An advanced studio study in printmaking. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project(s). There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 412 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0442	Special Projects II in Graphic Design	AS	3	Advanced studio project selected by the student in a particular area of graphic design. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper and presentation documenting the special project. Prerequisite: ART 422 and approval of the instructor. Six studio hours per week. There will be additional supply costs associated with this course. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0443	Special Projects II in Jewelry/Metalsmithing	AS	3	Same as ART 423. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 423 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring



ART	0444	Special Projects II in Painting	AS	3		Same as ART 424. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 424 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0446	Special Projects II in Sculpture	AS	3		Same as ART 426. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 426 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0447	Special Projects II in Ceramics	AS	3		Same as ART 427. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 427 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0448	Special Projects II in Drawing	AS	3		Same as ART 428. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 428 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0449	Special Projects II in Printmaking	AS	3		Same as ART 429. There will be additional supply costs associated with this course. Six studio hours per week. Prerequisite: ART 429 and approval of instructor. May be repeated for a total of six credit hours.	F - Fall S - Spring
ART	0450	Interaction Design	AS	3		The theory and development of User Interface (UI), and User Experience (UX) design across multiple platforms and outputs. Emphasis is on development of software and hardware skills, ideation, conceptualization, and successful execution of UI/UX designs. There will be additional supply costs associated with this course. Prerequisite: ART 326.	S - Spring
ART	0452	Design Practicum	AS	3		Provides students the experience of working directly with real world clients within the classroom setting. Emphasis is on development of professional skills and design industry best practices for the entire design process from ideation to production. Six studio hours per week. Prerequisites: ART 351.	S - Spring
ART	0489	Professional Design Practices	AS	2		Addresses a variety of practical topics faced by professional designers including; portfolio development and presentation, professional writing, and career opportunities for designers. Two hours lecture per week. Prerequisite: ART 295.	F - Fall
ART	0490	Professional Studio Practices	AS	2		Addresses a variety of practical topics faced by professional artists including; portfolio development and exhibition presentation, professional writing, and career opportunities for artists. Two hours lecture per week. Prerequisite: ART 295.	F - Fall
ART	0491	Internship in Art	AS	1	8	An off-campus work experience in a professional setting for advanced art majors. All internships must conform with institutional policy regarding the number of hours per credit and with contractual agreements involving the cooperating organization. Prerequisites: six hours of upper division level art coursework, junior standing or above, and approval of the Art Department Internship Coordinator.	F - Fall S - Spring SU - Summer
ART	0495	Art Capstone Experience	AS	0		A public display of a body of creative work(s) is required of all art majors within the last year of residency. Prerequisite: ART 489 or ART 490 (may be concurrent).	F - Fall
ART	0496	BFA Thesis	AS	0		A written summation of the student's creative research in MLA format is required of all Bachelor of Fine Arts majors their final year of residency. Prerequisite: ART 489 or ART 490 (may be concurrent).	F - Fall S - Spring
ART	0498	Special Topics in Art	AS	1	3	For upper division Art majors or related majors. Topics and methods of current interest not included in other courses. Enrollment by permission of instructor or department head. Prerequisites to be determined by Art Department.	D - Demand
ART	0499	Independent Study	AS	1	3	An in-depth study of some specialized topic or project not considered in the art department course offerings. An adviser from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.	F - Fall S - Spring SU - Summer
ART	0503	Art History, 19th Century	AS	3		Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism, and Post Impressionism. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	FE - Fall-Even
ART	0504	Art History, 20th Century	AS	3		Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to the end of the century. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	FO - Fall-Odd
ART	0505	Art Theory	AS	3		Exploration of the theoretical and philosophical underpinnings of art through the study of art history, aesthetics, philosophy, criticism, and cultural influences. Includes readings, discussions, and investigation of the ideas and conditions that influence the inception and development of works of art. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	S - Spring
ART	0506	Art History, African Art	AS	3		Historic survey of African art covering different groups of people, periods, geographic areas, and mediums. Includes examination and consideration of selected examples of from the MSSU African Art Collection. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	D - Demand

ART	0508	Art History, Women in Art	AS	3		Historical survey with an emphasis from the middle ages to present of religious, mythological and secular images of women in art, women artists, their artistic contributions, and various limitations put on women as creators of art throughout history. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	D - Demand
ART	0509	History Theory Graphic Design	AS	3		Historical survey of graphic design including invention of alphabets, printing, moveable type, manuscript, type design and most forms of printing. Includes major periods in advertising history, design innovators, and the visual forms that expanded the design profession. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	SE - Spring-Even
ART	0522	Special Projects in Design I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of design. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0524	Special Projects in Painting I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of painting. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0526	Special Projects Sculpture I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of sculpture. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0527	Special Projects in Ceramics I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of ceramics. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0528	Special Projects in Drawing I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of drawing. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0529	Special Projects Printmaking I	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of printmaking. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor. Six studio hours per week. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	F - Fall S - Spring
ART	0542	Special Projects Design II	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of design. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 522. May be repeated for 6 total hours.	F - Fall S - Spring
ART	0544	Special Projects Painting II	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of painting. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 524. May be repeated for 6 total hours.	F - Fall S - Spring
ART	0546	Special Projects Sculpture II	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of sculpture. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 526. May be repeated for 6 total hours.	F - Fall S - Spring
ART	0547	Special Projects Ceramics II	AS	3		A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of ceramics. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 527. May be repeated for 6 total hours.	F - Fall S - Spring

ART	0548	Special Projects Drawing II	AS	3	A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of drawing. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 528. May be repeated for 6 total hours.	F - Fall S - Spring
ART	0549	Special Project Printmaking II	AS	3	A self-directed studio study of critical, technical, aesthetic, and conceptual concerns related broadly or narrowly to creative research in the discipline of printmaking. Students attend a regularly scheduled course of related content but devise a personalized creative research project collaboratively with the instructor culminating in a formal paper and presentation documenting the project. Six studio hours per week. Prerequisite: ART 529. May be repeated for 6 total hours.	F - Fall S - Spring
ART	0565	Swedish Photography Seminar	AS	3	On-site photography and darkroom processing using traditional 35 mm black and white photography paired with visits to museum and galleries in Denmark, Norway, and Sweden to see photographic works first hand. Limited to individuals participating in the Summer in Scandinavia study abroad program. Prerequisite: Approval by the Art Department for post baccalaureate studies in art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	SU - Summer
ART	0566	The Art of Scandinavia	AS	3	Art historical survey of the art, architecture and design of Denmark, Norway and Sweden compared and contrasted with other western works. Focus is typically from the Viking age through contemporary eras and limited to individuals participating in the Summer in Scandinavia study abroad program. Prerequisite: Approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval.	SU - Summer
ART	0598	Special Topics in Art	AS	3	For post-baccalaureate studies in Art of topics and methods of current interest not included in other courses. Prerequisites to be determined by Art Department but include approval by the Art Department for post baccalaureate studies in Art or acceptance into the MSSU Masters of Curriculum and Instruction Program with advisor approval. May be repeated.	D - Demand
AV	0200	Basic Pilot Training	BA	5	An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. A third class medical certificate is required. Special charges for this course include plane rental and examiners test cost. Course grade is recorded as Pass or Fail.	D - Demand
BIO	0100	Freshman Seminar	AS	1	Designed to give formal and informal instruction to incoming Biology majors on careers in Biology, internships, and provide opportunities for students to become actively involved with departmental programs. Recommended for all Biology majors.	F - Fall
BIO	0101	General Biology	AS	4	A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content. Three one-hour lectures, one two-hour laboratory per week. Fulfills General Education requirements for Area D. Does not fulfill biology degree requirements. MOTR: BIOL 100L.	F - Fall S - Spring SU - Summer
BIO	0102	General Biology	AS	3	A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content. Three one-hour lectures per week. Fulfills General Education requirements for Area D1. Does not fulfill biology major requirements. MOTR: BIOL 100	F - Fall S - Spring
BIO	0108	Principles of Biology I	AS	3	First in a two-course introductory sequence for biology majors. The unifying principles of living organisms including scientific method, biological molecules, cell structure, function and metabolism, genetics, evolution, and a survey of Prokaryotes and Protists. Three lectures per week. Fulfills general education requirements for Area 3B (with BIO 109). Prerequisites: an ACT comp score of 21 or higher; or BIO 101 with a grade of 'C' or better. Co-requisite: BIO 109. High school chemistry strongly recommended. MOTR: BIO 150L (with BIO 109)	F - Fall S - Spring
BIO	0109	Principles of Biology I Lab	AS	1	The laboratory component for the first in a two-course introductory sequence for biology majors. The unifying principles of living organisms including scientific method, biological molecules, cell structure, function and metabolism, genetics, evolution, and a survey of Prokaryotes and Protists. One three-hour lab per week. Prerequisites: an ACT comp score of 21 or higher; or BIO 101 with a grade of 'C' or better. Co-requisite: BIO 108. High school chemistry strongly recommended. MOTR: BIOL 150L (with BIO 108)	F - Fall S - Spring
BIO	0111	Principles of Biology II	AS	4	A continuation of BIO 110 to include the evolution, diversity, structure, function and ecology of plants, fungus and animals. Three lectures, one three-hour lab per week. Prerequisites: BIO 110 with a grade of 'C' or better.	F - Fall S - Spring
BIO	0121	Human Anatomy and Physiology I	AS	4	The first in a two-course sequence in which human anatomy and physiology are studied using a body system approach. Includes the concept of scientific inquiry and the fundamental concepts of cell biology, cell metabolism and genetics. Three lectures and one, two-hour lab per week. Fulfills the Core Curriculum requirements in Area 3B for certain Allied Health, Environmental Health, and Nursing majors. MOTR: LIFS 150L	F - Fall S - Spring SU - Summer

BIO	0180	Essential Anatomy & Physiology	AS	4		Introduces fundamental biological and scientific principles by studying the structures, actions, and processes of the human body. Emphasis will be on the structure and function of organs and organ systems of the human body. This provides knowledge to better interpret and evaluate biological information encountered in health and human activity. Two hours of lecture and two 2-hour labs per week. Course is restricted to Kinesiology majors or with permission of instructor. Fulfills the Core Curriculum requirements in Area 3B for certain majors. MOTR: LIFS 160L	F - Fall S - Spring
BIO	0195	Laboratory in Biology	AS	1	2	For students transferring Biology courses to MSSU without a required laboratory component. This will allow equivalency between the transferred course and the MSSU course. May be repeated for credit as necessary.	F - Fall S - Spring SU - Summer
BIO	0201	Human Anatomy	AS	5		A general treatment of human anatomy from the tissue through the organ system levels of organization. The lecture provides the conceptual and organizational framework for laboratory, which utilizes microscopy, dissection, anatomical models, and anatomical software. Three hours of lecture and two, two- hour labs per week. Prerequisite: BIO 101 or EH 101 or BIO 111 with a grade of 'C' or higher.	F - Fall S - Spring SU - Summer
BIO	0210	Molecular Cell Biology	AS	4		The study of molecular aspects of cellular structure and function. Biological characteristics of molecules including carbohydrates, lipids, nucleic acids, and proteins will be taught with an emphasis on the concept that organismal physiology is the expression of molecular function. Differences between prokaryotes and eukaryotes will be included. Three hours of lecture, one 3-hr lab per week. Prerequisites: BIO 111 and CHEM 152.	F - Fall S - Spring
BIO	0221	Human Anatomy and Physiology II	AS	5		This course is a continuation of BIO 121 – Human Anatomy and Physiology I. A systems approach will be used to emphasize the interrelationships between form and function at the gross and microscopic levels of human organization. Three lectures and two, two-hour labs per week. Credit toward the biology major granted for one physiology course: BIO 221 or BIO 301. Prerequisite: BIO 121 with a grade of 'C' or better.	F - Fall S - Spring SU - Summer
BIO	0231	General and Medical Microbiology	AS	5		Structure and function of microorganisms. Topics include the general principles of microbiology, immunology, and the identification of microorganisms. Three lectures and two 2 hour labs per week. Prerequisite: BIO 101 or BIO 111 or BIO 121 or EH 101 and CHEM 121 and CHEM 122 or CHEM 140 and CHEM 141 or CHEM 120 or CHEM 151.	F - Fall S - Spring SU - Summer
BIO	0240	Radiation Biology	AS	3		Survey of various types of radiation affecting humans, the uses of radiation, and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiologic Technology.	F - Fall S - Spring
BIO	0298	Topics in Biology	AS	1	5	Designed to give instruction in some discipline of biology not covered in other courses. Prerequisites to be determined by department.	D - Demand
BIO	0300	Evolution	AS	3		Course designed to enhance the understanding and appreciation of the modern scientific theory of evolution. Evidence and mechanics of evolution exemplified by molecular biology, systematics, genetics, and population ecology will be included as well as samples of current evolutionary research. Prerequisites: BIO 111 or BIO 112/122 or BIO 101 or BIO 105.	SE - Spring-Even
BIO	0301	Human Physiology	AS	4		A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement and interpretation of physiological variables. Three hours of lecture and one 3-hr lab per week. Credit toward the biology major granted for one physiology course: BIO 221 or 301. Prerequisites: BIO 201 or BIO 221 or 331 and CHEM 120 or higher with a grade of 'C' or better.	F - Fall
BIO	0302	Conservation Biology	AS	3		The study of the conservation of biodiversity based on the principles of ecology, evolution, and genetics. This course focuses on ecological and evolutionary principles relevant to conservation, levels of and threats to biodiversity, and practical aspects of conservation, within the context of a human dominated earth. Three lectures per week. Pre-requisite: BIO 111	FE - Fall-Even
BIO	0303	Computer Applications Biology	AS	3		Explores ways in which microcomputers are used to better understand and study biological phenomena. The course develops technical expertise that is required in research, graduate school, teaching, and other career fields. Prerequisites: BIO 111 or BIO 112/122 or BIO 101 or EH 101.	D - Demand
BIO	0304	Introduction to Geographic Information Systems	AS	3		Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisite: Junior Standing or consent of instructor. Cross-listed as EH 304 and GEOG 304.	D - Demand
BIO	0305	Genetics	AS	4		An examination of the principles of genetics in eukaryotes and prokaryotes at the level of molecules, cells, and multicellular organisms, including humans. Topics include Mendelian and non-Mendelian inheritance, gene expression regulation, gene mutations, and the etiology of genetic based diseases. Students will also become familiar with concepts behind the field of bioinformatics, as well as various molecular genetics techniques including genetic engineering, genomics, gene expression analysis and nucleotide sequencing. Three hours lecture, one 3-hr. lab per week. Prerequisite: BIO 210 or CHEM 350.	F - Fall S - Spring

BIO	0308	Pathophysiology	AS	4		Altered physiologic states, the cellular manifestations and causes of disease and adaptations to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: BIO 221 or 301, with a grade of 'C' or better.	F - Fall S - Spring SU - Summer
BIO	0312	Environmental Biology	AS	3		This course is a study of how environmental factors interact with and impact living organisms and ecosystems. Emphasis is on global human ecology, environmental problems, sound environmental management practices and the sustainable use of natural resources. Three lecture hrs per week. Prerequisites: BIO 101 or 110 or 121. Cross-listed as EH 312.	FO - Fall-Odd SE - Spring-Even
BIO	0316	Economic Botany	AS	3		Economic uses of plants in the past, present, and future. Emphasis on economic aspects of plants in medicine, agriculture, horticulture, and industry. Includes the history of plant domestication facilitated by natural selection and purposeful breeding and an overview of plant chemistry, morphology, and reproduction pertinent to economics. Prerequisites: BIO 111 or BIO 112.	SE - Spring-Even
BIO	0322	Taxonomy of Flowering Plants	AS	4		Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature, and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two two-hour labs per week. Prerequisite: BIO 111 or BIO 112.	SO - Spring-Odd
BIO	0331	Comparative Vertebrate Anatomy	AS	5		Fundamental course designed to enhance understanding and appreciation of the structure and adaptations of vertebrates. Emphasis on evolutionary adaptations and the relationship between structure and function. Two lectures, two three-hour labs per week. Prerequisite: BIO 111.	S - Spring
BIO	0332	Introduction to Entomology	AS	4		Collecting methods, taxonomy, life history, morphology, and evolution of insects. Three lectures, one three-hour lab per week. Prerequisite: BIO 111 or BIO 122.	FE - Fall-Even
BIO	0350	Techniques in Microbiology	AS	2		This course will give students training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. The origin, incidence, effects and prevention of antibiotic resistance will be discussed and investigated. Molecular techniques screening for and harvesting plasmid DNA from Gram-negative bacteria will be employed. Transference of plasmid DNA will also be performed by students through bacterial conjugation procedures. One hour of lecture, two hours of lab per week. Prerequisite: BIO 231.	SE - Spring-Even
BIO	0352	Biomes	AS	1	4	An in-depth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment are studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: BIO 112/122 and permission.	D - Demand
BIO	0361	Parasitology	AS	4		Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites that infect humans and domestic animals. Three lectures, one three-hour lab per week. Prerequisite: BIO 111 or BIO 122.	SE - Spring-Even
BIO	0362	Virology	AS	3		Structure, classification, and life cycles of bacterial, animal, and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures per week. Prerequisites: BIO 231.	FE - Fall-Even
BIO	0370	Environmental Health and Safety	AS	3		A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO 101 or EH 101 or BIO 105 or BIO 108 and BIO 109 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as EH 370 and HS 370.	F - Fall S - Spring SU - Summer
BIO	0375	Disease Vector Control	AS	1		Identification and control of organisms that serve as reservoirs and vectors of diseases to humans. One hour of lecture per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross listed as EH 375.	FE - Fall-Even SO - Spring-Odd
BIO	0380	Epidemiology	AS	3		Introduction to the concepts, principles, and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 112 or 121 or 122 or EH 101. Cross-listed as EH 380 and HS 380.	F - Fall S - Spring
BIO	0390	Research and Statistical Methods in Biology	AS	3		Develops investigational and technical skills required in biology and environmental health. Students learn introductory statistical analysis and experimental design. Prerequisites: BIO 101 or BIO 111 or BIO 121 and MATH 130.	F - Fall
BIO	0402	General Ecology	AS	4		Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils, climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one three-hour lab per week. Prerequisite: BIO 111 with a "C" or better and junior standing.	F - Fall
BIO	0404	Applications in Geographic Information Systems	AS	3		The goal of this course is to allow students to apply skills in spatial analysis to problems in social, physical, ecological, environmental health, and related areas of the social and natural sciences. Students will engage in all aspects of a GIS project with emphasis placed on employing various techniques of spatial statistics. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital map(s). Prerequisite: BIO/EH/GEOG 304 or content of instructor. Cross-listed as EH 404 and GEOG 404.	D - Demand
BIO	0412	Mammalogy	AS	4		The study mammals, including their classification, distribution, life histories, economic importance, techniques of field study, collection and preservation methods. Pre-requisite: BIO 111.	FO - Fall-Odd



BIO	0433	Histology	AS	4		Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one three-hour lab per week. Prerequisite: BIO 201 or BIO 331.	SE - Spring-Even
BIO	0440	Plant Pathology	AS	4		Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical, and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one two-hour lab per week. Prerequisite: BIO 111.	SO - Spring-Odd
BIO	0442	Pathogenic Bacteriology	AS	5		A study of the structure, identification and pathology of the infectious bacteria. Three lectures, two two-hour labs per week. Prerequisite: BIO 231.	SO - Spring-Odd
BIO	0445	Reproductive Physiology	AS	3		Focus is on the biological and physiological aspects of human reproduction. Anatomy, physiology, endocrinology, biochemistry, genetics, microbiology and human sexuality are brought together to provide a comprehensive view of the functioning of the human reproductive system. Three one-hour lectures per week. Prerequisite: BIO 221 or 301.	FE - Fall-Even
BIO	0455	Laboratory Assistant Practicum	AS	1	2	Supervised practical experience in assisting undergraduate students in laboratory techniques in 100 and 200 level Biology classes. A maximum of 2 hours of credit can be applied toward the Biology degree. Prerequisite: Advanced standing and permission of instructor of class being assisted.	F - Fall S - Spring SU - Summer
BIO	0456	Immunology	AS	4		Cellular and molecular basis of the immune response in vertebrates including structure, induction, and regulation of the immune response. Autoimmune disorders, vaccines, transplantation, and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures, one three-hour lab per week. Prerequisites: BIO 231.	FO - Fall-Odd
BIO	0460	Techniques in Biotechnology	AS	3		Course is designed to provide a more thorough training in the molecular and genetic principles and processes involved in biotechnology and laboratory science. The course will also cover important medical applications of biotechnology, including analyzing human genome data. One one-hour lecture and two, two-hour labs per week. Prerequisite: BIO 210 or 305 AND BIO 231; Junior or Senior standing.	FE - Fall-Even
BIO	0464	Advanced Cell Biology	AS	3		A current perspective on cell biology will be addressed by examining various aspects of cell structure and function. Emphasis will be on communication and regulation mechanisms in both normal and abnormal states. In addition, the historical aspects of cell biology research and the techniques used by researchers will be discussed. Specific topics will be chosen each semester depending on current research with the use of primary literature to illustrate important concepts. Pre-requisite: BIO 210 with a grade of 'C' or better.	S - Spring
BIO	0475	Advanced Human Dissection	AS	4		An advanced exploration of human anatomy designed to prepare students for professional school or specialized graduate study. The lecture provides the conceptual and organizational framework for laboratory that emphasizes cadaver dissection supplemented with anatomical software. Two one-hour lectures and two two-hour labs per week. Prerequisites: BIO 201 Human Anatomy or BIO 331 Comparative Vertebrate Anatomy, or instructor permission. Students must qualify for enrollment through a selection process based on academic coursework and performance, professional goals, and a written statement.	F - Fall S - Spring
BIO	0481	Aquatic Ecology	AS	4		Analysis of components of freshwater systems, both impoundment and stream environments. Three hours lecture and one 3 hour lab per week. Prerequisites: BIO 111 with a 'C' or better and junior standing.	S - Spring
BIO	0491	Internship in Biology	AS	0	4	In conference with an internship committee a semester in advance, the student shall select to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the student's training. Course can be repeated for up to five credit hours but only a maximum of three hours can be used to meet biology degree requirements. Students are required to enroll in 1-4 credit hours, subject to the provisions of the internship, and in a one zero-credit hour. Additional expenses may be incurred depending on the specific requirements of each internship. Prerequisites: permission of the internship committee, department chair, and school dean; sophomore standing with at least eight hours of biology coursework strongly recommended.	F - Fall S - Spring SU - Summer
BIO	0495	Roots of Science	AS	2	3	The course will explore the history and lives of scientists who made significant contributions in Biology or sciences impacting Biology. Travel to the scientists' homeland or site of their research will be included to emphasize the historical components of their lives and research. Cultural sites associated with the scientists will also be visited to emphasize society's role in their conclusions. Students will be responsible for travel expenses. Prerequisite: Determined by instructor when offered.	D - Demand
BIO	0498	Advanced Topics in Biology	AS	1	5	Designed to give advanced instruction in some discipline of biology not covered in other courses. For upper division majors. Prerequisites to be determined by department.	D - Demand
BIO	0499	Independent Research in Biology	AS	1	3	Individual work under the supervision of a faculty member or sponsoring institution, with the credit and hours to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head, and school dean. Prerequisite: A minimum GPA of 3.0 and 20 hours of biology.	F - Fall S - Spring SU - Summer
BIO	0545	Reproductive Physiology	AS	3		This course will focus on the biological and physiological aspects of human reproduction. Anatomy, physiology, endocrinology, biochemistry, genetics, microbiology and human sexuality are brought together to provide a comprehensive view of the functioning of the human reproductive system. Three one-hour lectures per week. Pre-requisite: Acceptance to graduate college. College level physiology course.	FE - Fall-Even

BIO	0598	Graduate Topics in Biology	AS	1	4	Designed to give graduate instruction in some discipline of biology as approved by the department. Prerequisites include admission into the graduate college and other as determined by department	D - Demand
CHEM	0121	Chemistry for Allied Health Sciences	AS	3		Basic principles and practical applications of general, organic, and biological chemistry. This course satisfies the requirements of certain health promotion and wellness (KI00), teacher education ( and allied health programs (DH00, HS01, HS05, HS06). Three 50-minute lecture periods per week. Prerequisite: MATH 030 or higher or a Math ACT score of 22 or higher. Co-requisite: CHEM 122 MOTR: CHEM 100L (with CHEM 122)	F - Fall S - Spring SU - Summer
CHEM	0122	Chemistry for Allied Health Sciences Laboratory	AS	1		Basic principles and practical applications of general, organic, and biological chemistry. This course satisfies the requirements of certain health promotion and wellness (KI00), teacher education ( and allied health programs (DH00, HS01, HS05, HS06). One three-hour laboratory period per week. Prerequisite: MATH 030 or higher or a Math ACT score of 22 or higher. Co-requisite: CHEM 121. MOTR: CHEM 100L (with CHEM 121)	F - Fall S - Spring SU - Summer
CHEM	0140	General Chemistry I	AS	3		Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions, and the quantitative aspects of these changes. Three lectures per week Prerequisite: "C" or better in MATH 130 or higher level math course. Co-requisite: CHEM 141. MOTR: CHEM 150L (with CHEM 141).	F - Fall S - Spring SU - Summer
CHEM	0141	Gen Chemistry I Laboratory	AS	1		Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions, and the quantitative aspects of these changes One 3-hour lab per week. Prerequisite: "C" or better in MATH 130 or higher level math course. Co-requisite: CHEM 140. MOTR: CHEM 150L (with CHEM 140).	F - Fall S - Spring SU - Summer
CHEM	0142	General Chemistry II	AS	5		Continuation of CHEM 140/141. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one three-hour laboratory per week. Prerequisites: CHEM 140 and CHEM 141 with a minimum grade of 'C' or permission of instructor and MATH 140 or higher level Math course.	
CHEM	0150	General Chemistry I	AS	4		Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter, the changes that occur during chemical reactions, and the quantitative aspects of these changes. Three lectures, one three-hour lab per week. Prerequisite or co-requisite: MATH 135 or higher level math course.	F - Fall S - Spring SU - Summer
CHEM	0190	Laboratory in Chemistry	AS	1	2	A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSU. This will make the transferred course equivalent to the MSSU course. Class may be repeated for credit as needed.	F - Fall S - Spring SU - Summer
CHEM	0201	Analytical Chemistry	AS	5		This is the standard first course in quantitative chemical analysis. The lecture and laboratory include the theory and practice of methods of analysis. While the primary emphasis in this course is on the interpretation of experimental results, other aspects of the analytical process are introduced. Three lectures, two three-hour laboratories per week. Prerequisite: CHEM 142 with a grade of 'C' or better.	F - Fall
CHEM	0297	Introduction to Research in Chemistry	AS	1	3	Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) freshman or sophomore standing, 2) the ability to undertake independent work and 3) permission of the instructor. This class may be taken more than once but only six hours or research classes can count toward graduation requirements. Enrollment must be approved by the adviser and the department head.	F - Fall S - Spring SU - Summer
CHEM	0298	Topics in Chemistry	AS	1	5	Designed to give instruction in some area of chemistry not covered in other courses. For sophomore level science majors. Prerequisite: CHEM 201 or permission of instructor.	D - Demand
CHEM	0301	Organic Chemistry I	AS	5		Principles of organic chemistry including nomenclature, structure, stereochemistry, and reactions will be studied by the functional group approach. A brief introduction to organic reaction mechanisms and spectroscopy will be presented. Four lectures and one three-hour laboratory per week. Prerequisite: CHEM 142 with a grade of 'C' or better.	F - Fall S - Spring
CHEM	0302	Organic Chemistry II	AS	5		A continuation of Chemistry 301. Primary emphasis is on more in-depth study of the properties, nomenclature, synthesis, reactions, and reaction mechanism of both aliphatic and aromatic compounds that were presented in Chemistry 301. The functional group approach is used. Organic spectroscopy is discussed in detail as related to the identification of functional groups and molecular structure. Four lectures and one three-hour laboratory per week. Prerequisite: CHEM 301 with a grade of 'C' or better.	F - Fall S - Spring
CHEM	0350	Biochemistry I	AS	3		Structure and function of proteins (including enzymes), carbohydrates, lipids, membranes, and nucleic acids with emphasis on both chemical and physiological aspects of these compounds. Three lectures per week. Prerequisite: CHEM 302 (Organic Chemistry II) with a grade of "C" or better.	F - Fall
CHEM	0352	Biochemistry II	AS	3		Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. The interrelationship of these compounds in living systems will be presented through bioenergetics, reaction pathways, regulatory pathways, and chemical mechanisms. Prerequisite: CHEM 350 with a grade of "C" or better.	S - Spring
CHEM	0355	Biochemical Techniques	AS	2		Fundamental concepts and techniques of the biochemistry laboratory. One 50 minute lecture per week followed by one 3 hour laboratory period. Prerequisite: CHEM 350 with a grade of 'C' or better.	S - Spring

CHEM	0390	Laboratory in Chemistry	AS	1	2	An upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSU. This will make the transferred course equivalent to the MSSU course. Class may be repeated for credit as needed.	D - Demand
CHEM	0400	Elementary Physical Chemistry	AS	4		A macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. The principles of thermodynamics and chemical kinetics, and their application to aqueous solutions, will be emphasized. Solution equilibria, spectroscopy, and transport processes will also be examined. Three lectures, one three-hour laboratory per week. Prerequisite: CHEM 152 with a 'C' or better and PHYS 152 or PHYS 290 with a grade of "C" or better.	S - Spring
CHEM	0402	Physical Chemistry II	AS	4		In the first part of the course, the focus is a microscopic approach to understanding chemical systems. Quantum theory and molecular spectroscopy are emphasized. Then the microscopic approach (quantum theory) is linked to the macroscopic approach (thermodynamics) using statistical mechanics. Three lectures and one three-hour laboratory per week. Prerequisite: CHEM 400 with a grade of "C" or better and PHYS 290.	SE - Spring-Even
CHEM	0422	Advanced Inorganic Chemistry	AS	4		A study of contemporary state of the several bond models in chemistry. A review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures and one three-hour laboratory per week. Prerequisites: CHEM 152 and MATH 250.	SE - Spring-Even
CHEM	0427	Instrumental Analysis	AS	5		Designed to familiarize the student with current instrumentation. The approach is through (1) lectures devoted to a particular type of instrumentation and (2) laboratories designed to give hands-on experience in the working of the instrument. Two lectures and two three-hour laboratories per week. Prerequisite: 15 hours of Chemistry with a grade of 'C' or better.	SO - Spring-Odd
CHEM	0431	Chem Lab Assistant Practicum	AS	1	2	Supervised practical experience in assisting undergraduate students in laboratory techniques in General, Analytical, or Organic Chemistry. A maximum of 2 hours of credit can be applied toward a degree in Chemistry or Biochemistry. Prerequisite: Advanced standing, successful completion of the course the student wishes to be an assistant in, and permission of instructor of class being assisted.	F - Fall S - Spring SU - Summer
CHEM	0440	Introduction to Electrochemistry	AS	3		This is a beginning course in electrochemistry with an emphasis on applications to battery technology. Three lectures per week. Prerequisites: CHEM 201, MATH 250.	FE - Fall-Even
CHEM	0442	Design and Modeling of Electrochemical Devices	AS	3		The design of electrochemical cells and the impact of designs on the over potential losses in these cells (especially batteries). Matlab modeling will be performed. Prerequisite: CHEM 152.	D - Demand
CHEM	0444	Materials and Processing Methods for Electrochemical Devices	AS	4		This course will provide an overview of materials aspects of advanced batteries and battery systems, focusing on electrode materials, separators and electrolytes. Material properties that influence battery performance characteristics, such as capacity, charge and discharge rates will be reviewed from both practical and theoretical perspectives. Current materials challenges that must be met to further improve battery performance will be discussed. Prerequisites: Junior level standing in Engineering Technology, Physics, or Chemistry (MSSU) or Science or Engineering (Missouri S&T).	D - Demand
CHEM	0450	Medicinal Chemistry	AS	3		Fundamental concepts of pharmacology including pharmacokinetics and pharmacodynamics, types of enzyme inhibitors, properties of biological membranes and mechanisms of drug action, including specific examples of commercial drugs, their mode of action and specific biochemical pathways affected by the drug. Three 50-minute lectures per week. Prerequisite BIO 210 and CHEM 301; or Prerequisite CHEM 350; or Co-requisite CHEM 350.	FO - Fall-Odd
CHEM	0490	Seminar	AS	1	3	For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.	D - Demand
CHEM	0491	Internship in Chemistry	AS	1	3	In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied chemistry in which on-the-job experience would be beneficial to the student's training. Prerequisites, Junior standing in Chemistry with a minimum of 20 hours of chemistry or by permission.	F - Fall S - Spring SU - Summer
CHEM	0496	Problems in Chemistry	AS	2		A practical research class especially designed for students seeking a Bachelor of Science in Education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the adviser and the department head.	F - Fall S - Spring SU - Summer
CHEM	0497	Research in Chemistry	AS	1	3	Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. This course may be taken more than once but only six hours of research classes can count toward graduation requirements. Enrollment must be approved by the adviser and the department head.	D - Demand
CHEM	0498	Advanced Topics in Chemistry	AS	1	5	Designed to give advanced instruction in some area of chemistry not covered in other courses. For upper division majors. Prerequisites to be determined by department.	D - Demand

CHEM	0499	Independent Study	AS	1	3	Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 15 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by adviser, department head, and school dean.	F - Fall S - Spring
CHEM	0540	Intro to Electrochemistry	AS	3		This is a beginning course in electrochemistry with an emphasis on applications to battery technology. Three lectures per week. Prerequisites: CHEM 201, MATH 250.	D - Demand
CHI	0101	Beginning Chinese I (Mandarin)	AS	3		Pronunciation, grammar, elementary conversation, development of basic communicative skills. Prerequisite: None.	F - Fall
CHI	0102	Beginning Chinese II (Mandarin)	AS	3		A continuation of CHI 101. Pronunciation, grammar, elementary conversation. Prerequisite: CHI 101 or equivalent level of proficiency.	S - Spring
CHI	0103	Survival Chinese	AS	5		Introductory course that covers the very basics of spoken Chinese, Chinese customs, culture, and social behaviors. The course will introduce topics that help students develop practical communication skills needed in an authentic Chinese speaking environment. Grammar and structural patterns will be briefly touched upon whenever necessary. This course fulfills the modern language requirements for Bachelor of Arts if taken together with or in addition to Survival Japanese. Prerequisite: none. MOTR: LANG 105	S - Spring
CHI	0203	Intermediate Chinese I (Mandarin)	AS	3		Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: CHI 102 or equivalent level of proficiency. MOTR: LANG 106	F - Fall
CHI	0204	Intermediate Chinese II (Mandarin)	AS	3		A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: CHI 203 or equivalent level of proficiency.	S - Spring
CHI	0298	Topics in Chinese	AS	1	8	Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.	D - Demand
CHI	0305	Readings & Conversation I	AS	3		Continued development of language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: CHI 204 or equivalent level of proficiency.	D - Demand
CHI	0306	Readings & Conversation II	AS	3		Continuation of CHI 305. Continued development of the four basic language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: CHI 305 or equivalent level of proficiency.	D - Demand
CHI	0498	Advanced Topics in Chinese	AS	1	8	For upper-division students. Topics to be announced each time the course is offered. Prerequisite: CHI 204 or equivalent level of proficiency.	D - Demand
CHI	0499	Independent Study	AS	1	3	Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head, and dean in advance of enrollment.	F - Fall S - Spring
CIS	0105	Introduction to Microcomputer Use	BA	3		Instruction in the fundamental use of microcomputers through packaged software and operating systems. The course provides a broad introduction to hardware, software, computer networks, online social networking, and library database searches. Major application areas are discussed, such as word processing, spreadsheets, and presentation tools.	F - Fall S - Spring
CIS	0110	Programming I	BA	3		Introduces programming in a personal computer-based environment. The student will learn the fundamentals of PC hardware, operating systems, and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is Visual C#. Co-requisite: Math 129 or above.	F - Fall S - Spring
CIS	0202	Information Systems I	BA	3		This course provides an overview of the broad field of information systems and technology. Explores the function of information systems and technology in modern organizations. Explores the options for graduates in the field. Introduces terms and concepts that are used throughout the field. Examines options for professional development in the field. Examines the design of information systems. Emphasizes the student's ability to clarify problem statements and define objectives with discussion of analysis of information systems using standard methodologies.	F - Fall S - Spring
CIS	0210	Programming II	BA	3		Continued development of the programming and problem solving skills introduced in CIS 110. Structured programming and the object-oriented paradigm are emphasized. Includes an in-depth coverage of strings, arrays, files, classes, and namespaces. Introduces Windows application programming. The language of implementation is Visual C#. Prerequisite: CIS 110 with a grade of 'C' or above.	F - Fall S - Spring
CIS	0230	Midrange Solutions I	BA	3		Introduces the programming skills needed to develop and maintain software solutions for the IBM iSeries platform. This machine is extensively used by regional banks, companies that create and market software for regional banks, and the trucking industry. The language of implementation is RPG. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: CIS 210 with a grade of C or above.	S - Spring
CIS	0234	Enterprise Solutions I	BA	3		Introduces the programming skills needed to develop and maintain software solutions for Fortune 500 companies. The programming language of implementation is COBOL. Applications may include payroll processing, inventory control, and billing systems. Syntax of the language, report production using both sequential and indexed files, and structured methodologies are major topics. Prerequisite: CIS 210 with a grade of C or above.	F - Fall
CIS	0298	Topics in Computer Information Science	BA	1	3	Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisites may be specified in each course syllabus.	D - Demand

CIS	0305	Microcomputer Applications	BA	3	Provides coverage of the most common environments and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to his/her computing requirements. A variety of data communication and webpage development topics are covered. The main emphasis is on the Microsoft Office suite (Word, Excel, and PowerPoint), with special attention given to an in-depth coverage of Excel. Prerequisite: Math 129 or above with a grade of C or above and CIS 105 with a grade of B or above or credit-by-exam for CIS 105. (Upon request, credit-by-exam for this course is available. For more information, contact the CIS departmental secretary.)	F - Fall S - Spring
CIS	0308	Website Administration I	BA	3	Provides an introduction to the administration of a World Wide Web site. Includes Internet concepts, design strategies, graphic and multimedia construction, legal and ethical implications, dynamic HTML, and client-side programming. Prerequisite: CIS 110 with a grade of 'C' or above.	S - Spring
CIS	0310	Database Management Systems I	BA	3	Introduces the fundamentals of database management, relational database management systems, and programming for GUI. Database topics covered include entities, attributes, relationships, transactions, queries, and integrity rules. Server side database concepts are illustrated with MS Access. The client side user interface and business logic is implemented in Visual Basic. Prerequisite: CIS 210 with a grade of 'C' or above.	F - Fall S - Spring
CIS	0315	Computer Networks	BA	3	Introduces the hardware and software that are integrated to form a computer network. Topics include an in-depth look at TCP/IP, data communication hardware, public networks such as the Internet, and LAN and WAN network standards. Co-requisite: CIS 110 or CIS 305 or DDET 115 or MGMT 237.	F - Fall S - Spring
CIS	0321	Midrange Solutions II	BA	3	Emphasizes online solution development for the IBM iSeries platform. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG, IBM OS/400 environment, CL programming, Queries, DB2/400, PL/SQL and Internet application connectivity. Prerequisite: CIS 230 with a grade of C or above.	F - Fall
CIS	0325	Windows LAN Administration	BA	3	Provides a thorough introduction to the design, installation, and management of Microsoft Server local area networks. Network configuration, security, backup, and recovery are major topics. User rights and privileges, file and device sharing, and Web applications are also covered. Prerequisite: CIS 315 with a grade of 'C' or above.	S - Spring
CIS	0334	Enterprise Solutions II	BA	3	Emphasizes on-line programming and special considerations implicit in real-time applications typical of Fortune 500 companies. File creation and maintenance of indexed and sequential files and advanced features of COBOL are major topics. Prerequisite: CIS 234 with a grade of C or above.	S - Spring
CIS	0340	Website Administration II	BA	3	Continued development of subjects related to the administration of a World Wide Web site. Emphasizes server-side programming issues. Particularly concerned with the creation and maintenance of a commercial site. Includes syntax and practice in ASP, CSS, CGI/Perl, VBScript, JavaScript, and XML. Prerequisite: CIS 308 with a grade of 'C' or above.	F - Fall
CIS	0345	UNIX System Administration	BA	3	Introduces the UNIX operating system. Topics covered include basic UNIX commands, system configuration, the file system, process control, shell programming, the network file system, CGI programming, and system security. Prerequisites: CIS 210 and CIS 315 with a grade of 'C' or above.	F - Fall
CIS	0350	Data Structures	BA	3	Provides for the continued development of the student's knowledge of data structures and object-oriented programming. Includes an in-depth coverage of pointers, linked lists, stacks, queues, trees, and graphs. Special emphasis is placed on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is Visual Studio .NET C#. Prerequisite: CIS 210 with a grade of 'C' or above.	S - Spring
CIS	0355	Enterprise Network Administration and Security	BA	3	Covers essential techniques and best practices for securing an enterprise inter-network. Major topics include routing and inter-network design, firewalls, proxy servers, authentication and encryption, virtual private networks, security policy design, disaster recovery planning, hardware troubleshooting, and performance analysis. Prerequisites: CIS 315 and CIS 345 with a grade of 'C' or above. Co-requisite: CIS 325.	SE - Spring-Even
CIS	0375	Information Technology Project Management	BA	3	Emphasizes managerial and analytical skills more than technological skills. The course will provide an introduction to Project Management Body of Knowledge (PMBOK®) and will use industry standard project management software to model skills in project definition and planning, and also the response to unexpected changes in environment, resources, or other features. Finally, it will include a section on the human side of management, in particular management of high-tech employees. Prerequisites: CIS 202 - Information Systems I and Junior or above standing or permission of the instructor.	F - Fall
CIS	0385	App Development for Android Devices	BA	3	Covers basic concepts and techniques for creating mobile applications using the Java language. Topics include a Java introduction, Android operating system fundamentals, IDE fundamentals, layout design, user gesture detection, application lifecycle, animation, sound, resource files, menus, and multithreading. Prerequisite: CIS 210 with a grade of C or above.	F - Fall



CIS	0395	App Development for iOS Device	BA	3		Covers essential concepts, tools, and techniques used to develop applications for Apple iOS devices (iPhones, iPads, and iPods). Topics include the Swift programming language, the iOS SDK (Software Development Kit), and the Xcode IDE (Integrated Development Environment). The student will learn how to use Swift to design and implement mobile interfaces, how to use the SDK libraries to build applications that have the proper look and feel, and how to design and handle user input and other aspects of mobile application development. Prerequisite: CIS 210 with a grade of 'C' or above.	S - Spring
CIS	0405	Cryptography & .NET Security	BA	3		This course provides an introduction to implementing the security and cryptography features found in the .NET platform. Students will gain a knowledge of basic cryptography theory and learn to use symmetric algorithms, asymmetric algorithms, and digital signatures. Prerequisite: CIS 210 with a grade of 'C' or above or permission of the instructor.	S - Spring
CIS	0410	Information Systems II	BA	3		Continued development of the ability to analyze and design computer-based information systems. Includes coverage of analysis and design methodologies, computer-aided software engineering tools, and project management techniques. Topics are illustrated with in-depth case studies. Emphasizes teamwork. Prerequisites: CIS 202 and 310 with a grade of 'C' or above.	F - Fall
CIS	0425	Database Management Systems II	BA	3		Includes a survey of database management theories with experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling, and database systems design and implementation in a client/server environment are stressed through case studies. Prerequisites: CIS 310 and CIS 410, with a grade of 'C' or above.	S - Spring
CIS	0440	Computer Forensics I	BA	3		Introduces the basics of computer forensics. Topics covered include backups and data recovery, hard drive imaging and forensic analysis of recovered data, data hiding and encryption techniques, reconstruction of past events, techniques used to compromise and safeguard computers, surveillance tools, analysis of data, and collection and preservation of electronic evidence. Students will be introduced to forensic techniques and available electronic tools for forensic analysis. A basic knowledge of networks and UNIX/Linux, as well as a thorough knowledge of Windows is assumed. Prerequisites: CIS 315 and CIS 345 with a grade of 'C' or above.	S - Spring
CIS	0445	Computer Forensics II	BA	3		A continuation of Computer Forensics I with an emphasis on the use of the professional forensic software tools like Access Data's Forensic Tool Kit and Guidance Software's EnCase. Prerequisite: CIS 440 with a grade of 'C' or above.	F - Fall
CIS	0450	Operating Systems	BA	3		Fundamental concepts of operating system design. Emphasis is placed on identifying the problems an operating system must solve and considering the range of alternative solutions that may be implemented. Topics include process management, memory management, processor management, auxiliary storage management, and security. The Linux operating system is highlighted. Prerequisite: CIS 350 with a grade of 'C' or above. Co-requisite: CIS 345.	F - Fall
CIS	0491	Internship in Computer Information Science	BA	1	3	A limited number of Computer Information Science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local-cooperating firm in a production data processing environment gaining valuable experience in programming and/or systems analysis and design. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSU faculty member. Prerequisites: Upper division standing, department head approval, and an overall GPA of 3.0. This course may be repeated at most one time for additional credit.	F - Fall S - Spring
CIS	0498	Advanced Topics in Computer Information Science	BA	1	3	Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: May be specified in each course syllabus.	D - Demand
CIS	0499	Independent Study	BA	1	3	The adviser, with approval of the department head, structures an independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The adviser, the department head, and the dean of the school must approve registration in the course.	D - Demand
CJAD	0275	The Juvenile Justice System	AS	3		The Juvenile Justice System is a survey course that is designed to introduce the student to the organizations, processes, and actors that comprise the Juvenile Justice System. The course emphasizes the history of the juvenile justice system, the agency interactions and interrelationships, the concepts of prevention and diversion, the development of juvenile gangs, the roles of criminal justice professionals, and the future of the Juvenile Justice System.	F - Fall
CJAD	0298	Topics in Criminal Justice Administration	AS	1	8	Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus.	D - Demand
CJAD	0300	Criminal Investigation	AS	3		Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: LE 100.	S - Spring
CJAD	0301	International Justice Systems	AS	3		A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system: police, courts, and corrections. Includes cultural differences of the countries studied as they relate to their justice systems.	S - Spring
CJAD	0302	Comparative Criminal Justice Systems and Cultures	AS	2		Comparative Criminal Justice Systems and Cultures will focus on the criminal justice systems and cultures of selected countries as they compare to the American justice system and culture. Travel in selected countries will include visits to criminal justice agencies and facilities as well as interactions with criminal justice professionals.	D - Demand

CJAD	0305	Criminal Justice Research and Statistical Analysis	AS	3	This course is a study in research methods and statistical techniques used to investigate, collect, analyze, and interpret matters related to the criminal justice field. Topics include non-experimental survey research, samples and populations, research design, human subjects, descriptive and inferential statistics, frequency distribution, mean and standard deviation, probability and normal distribution, hypothesis testing, cross-tabulation, Analysis of Variance, and correlation and regression. Prerequisites: LE 100 and MATH 125 or above with a grade of "C" or above.	S - Spring
CJAD	0310	Traffic Accident Investigation and Control	AS	3	Theory and techniques for investigating and reducing occurrence of motor vehicle accidents. Includes collection and evaluation of physical evidence reporting. Prerequisites: LE 280.	D - Demand
CJAD	0315	Firearms II	AS	3	Common themes in mass shootings. Proficiency and accuracy in handgun and long gun shooting. Advanced techniques in handgun and long gun shooting. Simulated shooting scenarios and live fire exercises. Three hours lecture per week. Lab cost and additional lab time arranged. Prerequisite: LE 260.	
CJAD	0320	Probation and Parole	AS	3	Study of the entire system of probation and parole internationally, nationally, and locally. Prepares students for the state merit exam in probation and parole. Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty, and pardons. Prerequisites: LE 100.	F - Fall
CJAD	0330	Asset Protection	AS	3	Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems, and utilities. Prerequisites: LE 100.	S - Spring
CJAD	0340	Crime Scene Investigation II	AS	3	Advanced methods and techniques used by investigators to identify and collect items of evidentiary value left at crime scenes. Topics to include the use of forensic light sources to locate physical evidence, bloodstain pattern analysis, casting impression evidence, fingerprint processing, and entomological evidence. Prerequisites: LE 100 and LE 200 or permission.	S - Spring
CJAD	0350	Fish and Game Enforcement	AS	3	Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.	D - Demand
CJAD	0360	Professional Development	AS	2	Development of employability and career skills will be emphasized focusing on tools necessary for employment: communication skills, corporate etiquette, business dress, adjusting to the corporate environment, and the professional image.	D - Demand
CJAD	0370	International Terrorism	AS	3	International Terrorism examines the known facets of contemporary terrorism. Analyzes the laws and special forces/law enforcement agencies which nations within the international community have created to meet the challenge of international terrorism. Examines anticipated patterns of terrorism in the new century. Emphasis on legal and security measures designed to prevent terrorism.	F - Fall
CJAD	0390	Crime Analysis	AS	3	A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences, and the initiation of target profile analysis. Prerequisites: LE 100.	F - Fall
CJAD	0400	Homicide Investigation	AS	3	Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal, or criminal cause. Prerequisites: LE 100, LE 150, and LE 200.	F - Fall
CJAD	0405	Homicide Investigation II	AS	3	This course will primarily focus on adult and child sex-related homicides. In addition, this course will examine various homicide cases using a case study analysis to better understand the investigative process involved in a homicide investigation. Prerequisites: CJAD 400 or permission.	D - Demand
CJAD	0410	Juvenile Procedures	AS	3	Examines the evolution of the juvenile justice system as well as current practice and procedure in juvenile and family courts. Focus on law, jurisdiction, constitutional requirements and court rules. Also considers topics such as juvenile gangs, child abuse and neglect, child custody, and status offenders. Prerequisites: CJAD 275.	S - Spring
CJAD	0411	Juvenile Corrections	AS	3	Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions. Prerequisites: CJAD 275.	F - Fall
CJAD	0412	Correctional Practices	AS	3	History of corrections as it relates to correctional practices. In-depth study of the rights of the incarcerated inmate as well as the powers and duties of the correctional officer. Prerequisites: LE 100 and LE 150.	S - Spring
CJAD	0430	Family Violence	AS	3	Introduces the dynamics of family violence from the perspective of law enforcement. Examines the relationships between victims, offenders, and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system. Prerequisites: CJAD 275.	D - Demand
CJAD	0440	Victimology	AS	3	Introduces the study of victimization. Examines the relationship between victims and the criminal justice system. Prerequisite: CJAD 275.	D - Demand
CJAD	0450	Criminal Evidence	AS	3	Rules of evidence, admissibility, presumptions, inferences, burden of proof, and exceptions to the hearsay rule. Prerequisites: LE 100, LE 210, and LE 250.	D - Demand
CJAD	0455	Interview and Interrogation	AS	3	This course will present detailed information about interviewing and interrogation techniques. This course will also examine the law governing interviews and interrogations as well as certain aspects of admissibility of confessions as evidence in criminal cases. Prerequisites: LE 100 and LE 280.	D - Demand
CJAD	0460	Cultural Diversity and Racial Disparity	AS	3	A course for students seeking cross-cultural knowledge and sensitivity in criminal justice. Students will learn practical methods for dealing with diverse cultures, ethnic groups, and those who are physically, mentally, and emotionally challenged. Prerequisite: LE 100.	D - Demand

CJAD	0475	Organized Crime	AS	3		The course will provide an overview of American and internationally organized crime and the legal techniques used to address the problem. Emphasis will be placed on the major groups and their principal forms of criminal activity: drugs, trafficking of human beings, money laundering and financial crimes. The emerging effort to fight organized crime internationally will be examined. Prerequisite: LE 100.	D - Demand
CJAD	0485	Child Exploitation and Pornography Investigation	AS	3		The course will examine legal and criminalistic concepts and procedures for the legal investigation of sexual exploitation of children and child pornography. Prerequisites: LE 100 or permission.	D - Demand
CJAD	0487	Rape and Sexual Assault Investigation	AS	3		This course is designed to prepare students to investigate rapes and sexual assaults. This course will focus on sexual abuse of nursing home residents, children and adults. In addition, this course will address issues concerning the collection of evidence at crime scenes, interviewing the suspect and the forensic examination of sexual assault victims. Prerequisites: LE 100.	D - Demand
CJAD	0491	Internship in Criminal Justice	AS	4		Extensive practical experience with a criminal justice agency, subject to individual committee approval. Prerequisites: Junior or senior standing, CJAD major, department approval, cumulative GPA 2.5, and a CJAD GPA 3.2.	F - Fall S - Spring SU - Summer
CJAD	0498	Advanced Topics in Criminal Justice Administration	AS	1	3	A survey of current advances in the field. Precise topics to be announced. For upper division majors in CJAD or those who have completed the A.S. degree in law enforcement. Prerequisite: Permission of instructor.	D - Demand
CJAD	0499	Independent Study in Criminal Justice	AS	1	3	Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5 GPA in major area or permission.	F - Fall S - Spring SU - Summer
COMM	0100	Oral Communication	AS	3		Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research, organization, reasoning, language, and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.) MOTR: COMM 110	F - Fall S - Spring SU - Summer
COMM	0101	Introduction to Human Communication	AS	3		An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural, and mass. Also covered will be career opportunities for students who choose a major or minor in communication. MOTR: COMM 100	F - Fall S - Spring
COMM	0111	Newsriting	AS	3		Development of techniques in reporting and writing for a newspaper. Work on the college newspaper, The Chart, is required. Prerequisite: ENG 80, or completion or concurrent enrollment in ENG 101 or above, or permission of instructor.	F - Fall S - Spring
COMM	0200	Audio Production for Media	AS	3		Introduces students to the practical applications of audio production which includes principles and techniques of sound pickup and audio control, basic techniques of microphone use, console and mixer operation, recording, editing, and mixing. Projects are recorded for analysis and critique. Prerequisite: COMM 100.	S - Spring
COMM	0201	Video Production	AS	3		Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied on-the-air skills. Two hours lecture, two hours lab per week.	F - Fall
COMM	0205	Active Listening and Strategic Negotiations	AS	3		A study of the role listening plays in our daily lives and our negotiations with others personally and professionally. Emphasis on the listening and negotiation process, types of listening and negotiation skills, response strategies, and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities to achieve the best conflict resolution through negotiation.	SE - Spring-Even
COMM	0211	Introduction to Public Relations	AS	3		Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques. Prerequisite: COMM 111.	F - Fall S - Spring
COMM	0215	Interpersonal Communication	AS	3		Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading, and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: COMM 100.	F - Fall S - Spring
COMM	0220	Practicum in Communications	AS	1		Laboratory experience on the staff of the University newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of five hours per week is required. One hour of credit each term for a maximum of three terms. Prerequisite: for The Chart or Crossroads, COMM 111; for KXMS, COMM 200; for TV, COMM 201.	F - Fall S - Spring SU - Summer
COMM	0245	Media Career Exploration	AS	2		Work experience to explore various media in areas related to professional goals in communication, and as a stepping stone to a possible internship. Students will work a minimum of 8 hours a week for a newspaper, radio or TV station, or in a media capacity for a business firm, organization, or institution. Students must be approved for the program before enrolling and must apply before the end of one semester for the following semester. Students will work under the supervision of a faculty member and a person at the media company or organization. Students will present a portfolio or demonstration tape at the conclusion of the course, for evaluation of a final grade. Students may repeat the course for a maximum of 4 hours of credit, but each 2 hour course must focus on different media or have different media responsibilities. Prerequisite: Declared	F - Fall S - Spring SU - Summer

						communications major with a minimum of 30 semester hours; approval of adviser.	
COMM	0255	Ethics in Public Relations	AS	3		The Ethics in Public Relations will explore issues most often encountered in public relations and corporate communications using both traditional and contemporary approaches to ethical decision making. The course will cover the processes in the public relations industries, how the campaign development process works, some of the ethical challenges facing the field and social responsibility models and their effects on the organization and organizational stakeholders. Prerequisite: COMM 100 and COMM 211.	F - Fall
COMM	0298	Topics in Communications	AS	1	8	Topics not normally included in another course. Prerequisites are determined by the department and stipulated in syllabus.	D - Demand
COMM	0300	Organizational Communication	AS	3		The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems, and the design of effective communication systems in organizational settings. Prerequisites: COMM 101 and 215.	F - Fall
COMM	0301	Media Management	AS	3		Concepts for managing media organizations, including leadership, motivating employees, community involvement, legal aspects, ethics, audience targeting, policy determination, media organizational patterns, marketing, ownership influences, planning, and decision making. Prerequisite: Comm 111.	S - Spring
COMM	0302	Photocommunications I	AS	3		Theory and practice of communication through the medium of photography. Students deal with the application of photography to the mass media.	F - Fall
COMM	0303	Advanced Public Speaking	AS	3		Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: COMM 100.	S - Spring
COMM	0304	Small Group Communication	AS	3		Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making, and leadership style. Prerequisites: COMM 100 and ENG 102 or above or permission of instructor.	F - Fall
COMM	0305	Intercultural Communication	AS	3		Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisites: COMM 100 and ENG 102 or above or permission of instructor. Cross-listed as HS 305.	F - Fall S - Spring SU - Summer
COMM	0306	Persuasion	AS	3		A theoretical examination of the principles of influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: COMM 100.	SO - Spring-Odd
COMM	0307	Professional Interviewing	AS	3		Designed to prepare students for professional fields which require information-seeking and -gathering, decision-making, interaction skills and self-expression. The students will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewee. Prerequisite: COMM 100.	FO - Fall-Odd
COMM	0308	Gender Communication	AS	3		The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal, organizational, and cultural contexts. Prerequisite: COMM 100.	D - Demand
COMM	0309	World Cinema	AS	3		This course introduces you to the close analysis, cultural interpretation and global diversity of film as an artistic, social and industrial medium. It will explore some of the major currents in filmmaking from around the globe through various directors and film movements.	D - Demand
COMM	0310	Communication Law	AS	3		Statutes, administrative regulations, and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising, and broadcasting. Rights, privileges, and obligations of the press. Prerequisite: COMM 100.	F - Fall S - Spring
COMM	0315	Argumentation and Debate	AS	3		The theory of the modern forms of evidence, evaluations, arguments, methods of refutation, and ethical relationships of these methods in a free society. Electronic tournament administration software is used. (Meets certification requirements for secondary education.) Prerequisite: COMM 100.	FE - Fall-Even
COMM	0316	Business Journalism	AS	3		Application of the basic methods and tactics of a business journalist, while incorporating news value, proper spelling and grammar, and Associated Press style. Prerequisite: COMM 111, or permission of department head.	S - Spring
COMM	0320	Advanced Video Production	AS	3		Focuses on the elements of producing and directing video programs. Students spend laboratory time learning techniques of producing programs for the University's television station. One hour lecture, four hours lab each week. Prerequisite: COMM 201.	S - Spring
COMM	0325	Broadcast News Reporting	AS	3		Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting, and actualities. Computer laboratory experience. Prerequisite: COMM 111.	F - Fall S - Spring SU - Summer

COMM	0330	Advanced Communications Practicum	AS	1	Intensive laboratory experience on the staff of the University newspaper, magazine, broadcast media, or on special communications projects. Students will work for a minimum of five hours per week in positions of major responsibilities. May be repeated for a maximum of six hours of credit. Prerequisites: Junior or senior standing; media courses to prepare student adequately for work expected; COMM 220 or permission. For TV: COMM 320 or COMM 431, for Crossroads: COMM 335.	F - Fall S - Spring SU - Summer
COMM	0331	Advanced Newspaper Practicum	AS	2	Intensive lab experience with opportunities for major leadership position on the staff of the University newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisites: Comm 220 and COMM 330.	F - Fall S - Spring SU - Summer
COMM	0333	Media Editing and Design	AS	3	An examination of the editor's role and the editing process for print and online news media. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing for print and online. Prerequisite: COMM 111 or permission of instructor.	S - Spring
COMM	0335	Feature Writing	AS	3	Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories, and history articles. A focus on developing and selling story ideas. Work on the University newspaper, The Chart and the alumni magazine Crossroads is required. Prerequisite: COMM 111 or consent of instructor.	FO - Fall-Odd
COMM	0340	Research Methods in Communication	AS	3	An introduction into the process of research in communications. Using a variety of research approaches to look at different communication artifacts, classroom focus is on the finding, nature, and evaluation of research. Research methods process is applied to popular communication artifacts.	F - Fall S - Spring
COMM	0350	Sports Writing	AS	3	The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories, and further developing and refining those skills necessary for success in the field. Prerequisite: COMM 111.	D - Demand
COMM	0355	Case Studies Public Relations	AS	3	Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: COMM 311.	S - Spring
COMM	0360	Visual Communication: Images With Messages	AS	3	An examination of visual modes of communication. Topics will include the basic elements of visual messages, the relation of visual communication to language, and the place of images in everyday life. This course is a direct result of the new age in communications initiated and promoted by computer technology. Junior or Senior status or permission of instructor.	D - Demand
COMM	0365	Health Communication	AS	3	The field and study of health communication is vast and at times ambiguous. This course will examine the multitude and dimensions of what is health communication and provide students with the opportunity to define health communication. A review of health communication through an examination of theoretical frameworks, communication techniques and technologies that promote the health of individuals, communities, and populations will be used to provide students with a working knowledge of the importance and influence of communicating health. Additionally, this course will look at how health messages are created and how they influence us as they appear in our lives, from media as well as from relationships with others, both personal and otherwise. Prerequisite: COMM 100 Cross-listed as HS 365.	F - Fall
COMM	0380	International Media Seminar	AS	2	An extensive look at the world of international media through the experiences of renowned speakers and discussion leaders. Student will spend a week in Paris, France, attending seminars and conferences and meeting foreign correspondents, syndicated columnists, newspaper editors, television producers, and diplomats. Students must pay for travel and seminar expenses, with specific details available prior to enrollment.	D - Demand
COMM	0400	Advanced Organizational Communication	AS	3	The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: COMM 300.	D - Demand
COMM	0401	Nonverbal Communication	AS	3	Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: COMM 100.	S - Spring
COMM	0402	Photocommunications II	AS	3	Advanced theory and practice of communication through the medium of photography. Students work on the application of photography to the mass media. The use of computer programs and visual manipulation of images is a component of the course. Persuasion, nonverbal communication, public communication, and interpersonal communication will be used to create a portfolio of journalistic photographs that offer a visual narrative to the viewer. Prerequisite: COMM 302 or consent of the instructor.	S - Spring
COMM	0405	Advanced Intercultural Communication	AS	3	An in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercultural theories and principles learned in the basic Intercultural Communication course. This in-depth analysis of seven cultures, Northern Ireland, American Indians, Germany, China, Japan, India, and the Amish subculture in North America, from a communication perspective will utilize the case study method. Prerequisite: COMM 305 or permission of instructor.	D - Demand



COMM	0410	Crisis Communication	AS	3		This course provides students insights regarding key concepts, theoretical perspectives, essential skills and abilities, and critical thinking and problem solving skills necessary for effective crisis communication within organizations. The course follows the crisis communication process through the stages of pre-crisis, crisis, and post-crisis. The pre-crisis stage discusses planning and environmental scanning. The crisis stage discusses communication strategies for image restoration. The post-crisis stage depicts crisis as an opportunity for organizational learning and for rebuilding or expanding public trust. The course uses a case study approach throughout. Prerequisite: COMM 211.	F - Fall
COMM	0411	Political and Social Communication	AS	3		Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading, and discussion. Prerequisites: COMM 100 and junior or senior standing.	F - Fall
COMM	0420	Mass Communications Theory	AS	3		Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: COMM 100 plus 3 hours of communication courses.	F - Fall S - Spring
COMM	0425	Broadcast Scriptwriting	AS	3		Methods, style, and techniques for preparing scripts for various types of radio and television programs and announcements. Emphasis on promotion commercials, public service announcements, partially scripted and fully-scripted program formats such as public affairs programs, variety shows, game shows, the documentary, and drama. Prerequisite: COMM 111.	D - Demand
COMM	0430	Advanced Broadcast News Reporting	AS	3		Theory and practice of producing a regularly scheduled television newscast. Study, criticism, and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: COMM 325.	D - Demand
COMM	0431	Electronic Field Production	AS	3		Planning, designing, and executing electronic field productions. This course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Two hours of lecture and two hours of laboratory weekly. Prerequisite: COMM 101.	F - Fall
COMM	0433	Advanced Media Editing and Design	AS	3		Application of the editor's role in design for print and online media with attention to design principles for complex layouts, while incorporating news value, proper spelling and grammar, and Associated Press style. Prerequisite: COMM 333 or permission of department head.	F - Fall
COMM	0450	Community Journalism	AS	3		Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: COMM 111.	D - Demand
COMM	0455	Writing for Public Relations	AS	3		Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity, and feature stories as well as effective letter writing, newsletters, and brochures. Prerequisite: COMM 211.	F - Fall
COMM	0460	Global Journalism	AS	3		Structures, processes, and functions of newspapers around the world. Encompasses such issues as the use of print media between and within nations, censorship and repression, news coverage of war, and U.S. news coverage of international affairs. Prerequisite: COMM 111.	D - Demand
COMM	0470	New Media Technology	AS	3		Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation, and audience effects of these technologies. Students will become aware of critical controversies and projected future developments of technology. Prerequisite: Junior standing.	F - Fall
COMM	0491	Internship in Communications	AS	1	8	Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. Students may repeat the course to a maximum of 8 hrs. of credit. Prerequisite: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.	F - Fall S - Spring SU - Summer
COMM	0492	Communication Issues	AS	3		Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.	S - Spring
COMM	0498	Advanced Topics in Communication	AS	1	8	For upper-division students. Topics to be announced each time the course is offered.	D - Demand
COMM	0499	Independent Study in Speech, Mass Communications or Public Relations	AS	1	3	Individually directed study in selected areas for advanced majors in communications. Projects require an individually tailored independent study syllabus structured by the adviser with must be approved by the department head and school dean prior to enrollment. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications.	F - Fall S - Spring SU - Summer
DH	0101	Fundamentals of Dental Hygiene	HS	2		This course is an introduction to the Dental Hygiene Process of Care with an emphasis on professionalism, infection control, patient assessment processes and basic instrumental skills. Prerequisite: acceptance into the dental hygiene program. Co-requisite: DH 103.	F - Fall

DH	0103	Fundamentals of Dental Hygiene - Lab	HS	2		This course provides clinical application to the Dental Hygiene Process of Care. The primary emphasis is on professionalism, infection control, patient assessment processes and basic instrumentation skills. The dental hygiene student will have an opportunity to practice these techniques on mannequins and student partners in the laboratory setting. Two 3-hour labs per week. Prerequisite: acceptance into the Dental Hygiene program. Co-requisite: DH 101, DH 140 and DH 150.	F - Fall
DH	0105	Fundamentals of Instrumentation	HS	2		This course provides clinical application of instrumentation theory and skills to provide comprehensive patient care. The dental hygiene student will have an opportunity to practice instrumentation techniques on mannequins and student partners in the laboratory setting. This course will culminate with a patient experience appointment. Prerequisite: DH 101 and DH 103.	S - Spring
DH	0120	Dental Hygiene Concepts	HS	2		This course is a continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. The course presents theory for the development of the dental hygiene diagnosis, patient care planning including implementation of dental hygiene treatment with evidence-based clinical techniques for advanced periodontal instrumentation, and re-evaluation of patient clinical care. The course emphasizes oral health promotion necessary for successful patient treatment including communication of patient needs, oral hygiene education instruction, and patient motivation. Instruction is provided toward complete patient care from medical history review, management of patients with special needs and diverse backgrounds, the recognition, prevention and management of medical emergencies which may occur in the dental office. Theories and principles are applied in clinical laboratory setting. Two hours lecture, 6 hours laboratory per week in DH 105. Prerequisites: DH 101 and DH 103 with minimum grade of 'C'.	S - Spring
DH	0140	Dental Morphology	HS	1		Detailed study of the morphology of deciduous and permanent teeth in relation to fossal cusps grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week. Practical aspects of this course will be covered in DH 103.	F - Fall
DH	0150	Oral Histology and Embryology	HS	3		Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two one hour lectures and one three hour lab per week.	F - Fall
DH	0160	Dental Radiology	HS	2		Theory and principles of radiation health and safety, quality assurance and infection control protocol for dental radiography. Basic interpretation of radiographic findings and recognition and identification of normal anatomical radiographic landmarks. Methods for exposing, mounting, and care of dental radiographs. Prerequisite courses: BIO 240, DH 101, DH 140, DH 150. Two hours lecture per week.	S - Spring
DH	0165	Dental Radiology Lab	HS	1		Application of the fundamentals of oral radiographic techniques utilizing radiation safety and infection control protocols in addition to basic interpretation of radiographs. Includes practical experience exposing dental radiographs, use of current patient selection criteria, electronic documentation procedures, and ancillary radiographic techniques. In addition, basic interpretation of dental radiographs will include the recognition of technique errors and the identification of normal anatomical radiographic landmarks and common abnormalities. Two hours of lab per week. Prerequisite: BIO 240, DH 101, DH 140, DH 150. Co-requisite: DH 160.	S - Spring
DH	0190	Clinical Dental Hygiene I	HS	4		Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral cavity. Two 8-hour labs per week, 32 hours of lab will be used for clinical application of DH 210. Prerequisite: DH 102 with minimum grade of 'C' and CPR Certification Course. Co-requisite: DH 280.	SU - Summer
DH	0210	Pain Management	HS	1		This course is designed to prepare the dental hygiene student with the necessary theory to appropriately carry out treatment plans and successfully administer topical anesthesia, local infiltration anesthesia and/or nitrous oxide analgesia to increase patient comfort and control pain when providing dental hygiene services.	SU - Summer
DH	0220	Dental Materials	HS	1		This lecture course is designed to provide information about the physical and chemical properties of biomaterials and the application and manipulation of these materials used in preventive dentistry. Lecture information will cover identification, recognition and charting of dental restorations. This will be enhanced by utilizing dental radiographs and intra-oral photographs. Co-requisite: DH 225.	F - Fall
DH	0225	Dental Materials Lab	HS	1		This course provides clinical manipulation and application of the dental materials discussed in DH220. Students will learn to take alginate impressions, produce plaster study models and manipulate other biomaterials within the scope of preventative and restorative dentistry. Dental charting and identification of restorations will be enhanced in preparation for the clinical setting. Co-requisite: DH 220.	F - Fall
DH	0290	Clinical Dental Hygiene II	HS	4		Continuation of DH 190 with added responsibilities as skills develop. Multi-cultural experience is gained through rotations in extended campus facilities. Sixteen hours clinical lab per week (one hour per week MAY be used for content and organizational review). Prerequisites: DH 190 with minimum grade of 'C' or instructor's permission.	F - Fall

DH	0295	Seminar in Dental Hygiene I	HS	1	This seminar course is offered in conjunction with DH 290, Dental Hygiene Clinic II and is part of the clinical education continuum. Emphasis will be placed on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Students will study current literature and evaluate research. Additionally they will gain the skills necessary for integrating the new information into his/her role as a health care provider. Prerequisites: Successful completion of ALL courses required in the first three semesters of the dental hygiene curriculum. 1 lecture hour per week.	F - Fall
DH	0300	Community Dental Health Education	HS	3	Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups with experience in providing dental health education to the public. This course is designed to increase student knowledge of concepts of community dentistry and dental epidemiology that is used in population based health care. Students are allowed to critically evaluate biostatistics, scientific literature, dental care delivery and mechanisms for financing dental care. Three hrs. lecture per week and 8 hours of field experience during the semester. Prerequisite: DH 190 with a 'C' or better.	F - Fall
DH	0301	Community Dental Health Education Practicum	HS	1	This course will build upon the basics of DH 300 Community Dental Health Education. Students will apply theories, skills of communication and oral health education to various diverse groups. Through field assessments students will have the opportunity to participate in a variety of community dental health programs and services learning activities which require application of dental public health principles and concepts. One hour of lecture per week and approximately 25-30 hours of field work during the semester. Prerequisite: DH 300 with a minimum grade of C.	S - Spring
DH	0310	Nutrition	HS	2	Nutrition and diet as related to dental health, biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hours lecture per week. Requirement: dental hygiene students must take course during second semester of program.	S - Spring
DH	0320	Pharmacology	HS	2	Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis will be placed on drugs affecting oral health and drugs used in dentistry. Two hours lecture per week.	F - Fall
DH	0340	Oral Pathology	HS	3	Oral Pathology includes both general and oral pathology. General pathology includes an overview of basic disease processes, inflammation, immunology and wound healing. Oral pathology emphasizes recognition of oral diseases based on clinical signs and symptoms and radiographic manifestations. Treatment planning principles, based on collection of information using a variety of assessment procedures is included. Three hours of lecture per week. Prerequisite: student must have successfully completed the first three semesters of dental hygiene curriculum with a minimum of a 'C'.	F - Fall
DH	0350	Periodontics	HS	3	Covers the supporting structures of the teeth and an overview of both the biological and clinical aspects of periodontology. Enables dental hygiene students to recognize and differentiate periodontal health from disease, formulate appropriate treatment plans, select appropriate adjunctive therapies and recognize the role of the dental hygienist as a periodontal co-therapist in initial periodontal therapy and maintenance. Also includes periodontal surgery, antibiotics antimicrobial agents, periodontal dressing, and sutures. Emphasizes the evaluation of a periodontal case study resulting in the development of a periodontal treatment plan. 3 hours lecture per week. Prerequisites: DH 101, DH 103 and DH 150.	SU - Summer
DH	0390	Clinical Dental Hygiene III	HS	4	Continuation of DH 290: Clinical experience in advanced clinical procedures and discussion of the recognized dental specialties including their relationship to preventive dentistry. Sixteen hours lab week. Prerequisite: DH 290 with minimum grade of 'C' or instructor's permission.	S - Spring
DH	0395	Senior Seminar in Dental Hygiene	HS	1	This seminar course serves as a means of combining information from all courses in the dental hygiene curriculum and applying content to patient cases and practice management issues. This course is also designed to assist in preparing senior dental hygiene students for the written and clinical examinations required for licensure and entry into the profession. Prerequisites: Successful completion of ALL courses required in the first four semesters of the dental hygiene curriculum. 1 hour lecture per week.	S - Spring
ECON	0101	Economics of Social Issues	BA	3	This course will introduce students to the application of economic decision making in a discussion of current social and economic issues, focusing on today's most pressing social and economic problems from both a domestic and global viewpoint. Topics will include but not limited to the economics of education, health care, crime, drugs, inflation, poverty, urban congestion, international trade and environmental pollution. Fulfills general education requirement for Area E2. Not for Business majors. MOTR: ECON 100	F - Fall S - Spring SU - Summer
ECON	0201	Principles of Economics (Macro)	BA	3	A basic course that explains the organization, operation, and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination, and stabilization of national income; unemployment and inflation; the role of money and monetary policy; fiscal policy; economic growth; international finance; and current economic problems. Co-requisite: MATH 030 or above. MOTR: ECON 101	F - Fall S - Spring SU - Summer

ECON	0202	Principles of Economics (Micro)	BA	3		A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm, or industry; cost and revenue implications of various product and factor market structures; and international trade and finance. Co-requisite: MATH 030 or above. MOTR: ECON 102	F - Fall S - Spring SU - Summer
ECON	0300	Money and Financial Institutions	BA	3		The nature, need, functions, role, creation, and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; and international aspects of money and monetary policy. Prerequisite: ECON 201 and 202.	S - Spring
ECON	0301	Managerial Economics	BA	3		The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets; and income determination. Prerequisites: ECON 202.	F - Fall
ECON	0302	Intermediate Macroeconomics	BA	3		National income determination with various macroeconomic models; fiscal and monetary policy; international linkages; consumption and investment; and trade-offs between inflation and unemployment. Prerequisites: ECON 201.	S - Spring
ECON	0325	Law and Economics	BA	3		This course will introduce students to the analytical tools used by economists to understand legal systems and how laws can alter behavior to achieve efficiency or fairness objectives. Topics include legal traditions and processes, property law, contract law, tort law, criminal law. Prerequisites: ECON 201 and ECON 202.	F - Fall
ECON	0410	Introduction to Econometrics	BA	3		This applied course will introduce students to the methods used by economists to conduct evidence based research utilizing causal identification techniques. Students will plan and execute an independent research project. Topics include linear and non-linear regression, data diagnostics, endogeneity, simultaneous equations, and forecasting. Prerequisites: ECON 201, ECON 202, MATH 150 or 302 and one of the following: GB 321, SOC 405, PSC 405, PSY 320, MATH 310.	F - Fall
ECON	0430	Economics of Organizations and Strategy	BA	3		This course focuses on the application of economic theory to the inner workings of organizations and their interaction with rival firms in a business environment. Students will analyze of firm strategic behavior in competitive and noncompetitive markets using the basic concepts of economic theory. Students will also explore the firm's behavior with respect to strategic positioning and dynamics paying close attention to internal organization, personnel economics, organization structure, and strategic fit. Prerequisites: ECON 301.	F - Fall
ECON	0435	Health Economics	BA	3		This course introduces students to analytical tools used by economists to explore health and health care issues. Topics include health care supply and demand, agency issues in health insurance markets, health care institutions and actors, health care policy, and public health issues. Prerequisites: Econ 202 (*Econ 301 recommended); and Choose One: GB321, MATH 310, PSC305, PSY320, SOC 305.	F - Fall
ECON	0442	International Economics and Finance	BA	3		This course will familiarize students with the analytical and empirical tools used by economists to understand international economics, trade and finance. Topics will include the Ricardian, Heckscher-Ohlin and new theories of trade; tariffs and commercial policy; factor movement and regional economic integration. Foreign exchange markets and balance of payments statistics, multinational banking and Eurocurrency markets, the monetary approach to balance of payments adjustments, internal and external balance through monetary and fiscal policy, the international monetary system, the need for a national monetary system and the need for a new international economic order will also be covered. Prerequisites: ECON 301 and ECON 302.	F - Fall
ECON	0455	Environmental and Natural Resource Economics	BA	3		This course introduces students to environmental economic theory and concepts. It provides students with the analytical techniques used in economic analysis of public policy relating to the environment and use of natural resources. Students will analyze historical and current environmental policy including issues under consideration by policy makers. Prerequisite: ECON 301.	F - Fall
ECON	0460	Labor Economics	BA	3		This course will introduce students to the analytical tools used by economists to understand the labor market. Topics include labor market equilibrium, life cycle issues, human capital, wages and pay incentives, labor mobility, employment discrimination, and unemployment. Prerequisites: ECON 301 and ECON 302.	F - Fall
ECON	0491	Internship in Economics	BA	1	6	An internship for senior Finance/ Economics students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours, and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA, and department approval. Repeatable up to six credit hours.	D - Demand
ECON	0498	Advanced Topics in Economics	BA	1	3	For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in International Economics, 498-Seminar in Business Cycles, and 498-Seminar in Public Finance.	D - Demand
ECON	0499	Independent Study Economics	BA	1	6	Individually directed readings, research and discussion in selected areas of Economics for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.	D - Demand
EDUC	0100	Introduction to Teacher Education I	ED	1		An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding, and technology in education.	F - Fall S - Spring

EDUC	0200	Introduction to Teacher Education II	ED	1		An extension of EDUC 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.	D - Demand
EDUC	0280	Foundations of Education in a Global Society	ED	3		An introduction to and orientation class for all Teacher Education Programs and is required for all teacher education majors. As an International Core Curriculum course, it examines and compares the policies and practices of educational systems in countries throughout the world with those in the United States, to develop an understanding and appreciation of the historical, philosophical, political, and financial aspects of education in a pluralistic, diverse society. A 32 clock hour field based component of American diversity in Southwest Missouri is included. Requires background check. Prerequisites: ENG 101 & ENG 102 or ENG 111.	F - Fall S - Spring
EDUC	0301	Technology in Education	ED	3		A study designed to explore the role of technology in education with a special emphasis on technology as a tool in teaching and learning. The course will also examine a variety of technologies as well as strategies for the integration of these technologies into instruction. Specific technologies addressed will be subject to change as technology and its application to education continue to evolve. Prerequisite: Must be taken prior to or concurrently with the Junior Block. Required of all teacher education majors.	F - Fall S - Spring
EDUC	0302	The Exceptional Child	ED	2		An introduction to the area of working with Exceptional Children in the P-12 learning environment and is required of all teacher education majors. The content includes the history of Special Education, legal issues, characteristics of the exceptional student, methods and techniques for instruction, resources in the community, and an exploration of assistive and adaptive technology. Prerequisite: PSY 100, take prior to Junior Block classes.	F - Fall S - Spring
EDUC	0304	The Exceptional Student	ED	3		Designed for 1-6 Elementary, 5-9 Middle School and K-12 Art, Music, Foreign Language, ECE, TESOL and Special Education majors. A series of awareness experiences dealing with the added complexities an exceptional child presents to K-12 regular and special education teachers. This course emphasizes methods of meeting the diverse educational needs of today's K-12 students through techniques of teaching, unit construction and daily planning. Includes characteristics of the exceptional child, resources in the community and legislation which determines school policy. Prerequisite: PSY 100; take prior to or concurrent with Junior Block classes.	D - Demand F - Fall S - Spring
EDUC	0305	Family Systems for Spec Educ	ED	1		An introduction to the area of working with the families of exceptional children in the K-12 learning environment. The content includes understanding the impact of an exceptional child on a family dynamic, working with families as educational partners, engaging families in the special education process, linking families with school and community resources, and the development of professional collaboration skills. Prerequisite: PSY 100. May be taken concurrently with EDUC 302.	F - Fall S - Spring
EDUC	0311	Science in the Elementary School	ED	3		Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery, and inquiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.	D - Demand F - Fall S - Spring
EDUC	0312	Teaching Mathematics in the Elementary School	ED	3		Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Includes a practicum at an area school. Prerequisite: MATH 119 and completion of Junior Block.	F - Fall S - Spring
EDUC	0316	Foundations, Issues, and Trends in Early Childhood Education	ED	3		A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological, and social foundations of early childhood education; current trends and issues associated with early childhood programming; consequent role expectations of prospective teachers, and field experiences with programs for young children with diverse needs. Prerequisite: Junior standing or instructor permission.	F - Fall S - Spring
EDUC	0318	Early Childhood Curriculum and Classroom Methods	ED	3		Designed to incorporate curriculum strategies and classroom methods taught in the classrooms at the Child Development Center. Fundamentals of early childhood education will be emphasized with particular interest taken in the areas of: content knowledge, play-based and inquiry-based learning, environmental design, and the health, nutrition, and safety of young children. The culminating assignment of the course is a family engagement project. Pre-service teachers will learn the importance of creating a partnership with families and engaging them in their child's learning. Prerequisites: EDUC 316, 321, 329, 423, Must be taken concurrently with EDUC 0319.	S - Spring
EDUC	0319	Practicum I in Early Childhood Education	ED	2		Supervised teaching of three to five-year-olds in the MSSU Child Development Center for a minimum of 64 clock hours. Candidates will design and implement the following: small group, large group, and individual learning experiences, develop appropriate materials for children's use, and practice appropriate teaching and guidance strategies for young children. Prerequisite: Junior Block and EDUC 316. Must be taken concurrently with EDUC 318.	S - Spring
EDUC	0321	Microteaching	ED	1		Required part of Junior Block. Short teaching episodes are prepared, taught, and analyzed. The key learning goal is the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with EDUC 329 and EDUC 423.	F - Fall S - Spring
EDUC	0322	Teaching Social Studies in Elementary	ED	3		An introduction to the instructional materials and methods of teaching social studies in the elementary. Prerequisite: Junior Block.	F - Fall S - Spring



EDUC	0323	Building Family and Community Relationships	ED	3		To acquaint the teacher candidate with (1) the complex characteristics and concerns of children's families and their communities; (2) ways to support, empower, and link families with key community resources appropriate for specific purposes; (3) strategies to involve families and communities in their children's development and learning through respectful, reciprocal relationships. Lecture, field trips, and field experiences. Prerequisite: Junior standing or instructor permission.	S - Spring
EDUC	0329	Pedagogical Theory, Methods and Practices	ED	4		Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, context, engagement, differentiated instruction, and student assessment (formative/summative). Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle, and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with EDUC 321 and EDUC 423. Tentative admission into Teacher Education is required. Prerequisite: EDUC 280.	F - Fall S - Spring
EDUC	0332	Teaching English and Language Arts in Middle and Secondary School	ED	3		Provides an introduction to the instructional materials and methods of teaching English and language arts in the Middle and Secondary School. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	F - Fall S - Spring
EDUC	0333	Teaching Science in Middle and Secondary School	ED	3		An introduction to the instructional materials and methods of teaching science. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	F - Fall
EDUC	0334	Teaching Social Studies in Middle and High School	ED	3		A required education course which is an introduction to the instructional planning, materials, philosophy, rationale and methods of teaching Social Studies. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to the professional education semester.	F - Fall
EDUC	0335	Teaching Music in Secondary School	ED	2		An introduction to the instructional planning, materials, and methods of teaching music. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	S - Spring
EDUC	0336	Teaching Business in Middle and Secondary School	ED	3		Prepares students as teachers of business and marketing education by assisting in the development of instructional methods and techniques for facilitating student-oriented learning. For business education majors only. Taught online cooperatively with Northwest Missouri State University, University of Central Missouri, and Southeast Missouri State University. Must see Business Education advisor before enrolling. Includes a mid-level practicum of at least 13 hours.	F - Fall S - Spring SU - Summer
EDUC	0339	Teaching Mathematics in Middle and Secondary School	ED	3		An introduction to the instructional planning, materials, and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	F - Fall
EDUC	0340	Language Arts	ED	2		A foundations course for learning about language acquisition and integrating the six language arts (reading, writing, listening, talking, viewing, and visually representing) into the K-8 curriculum through the four patterns of practice. Fundamentals of the four well-respected instructional approaches, or patterns of practice: literature focus units, literature circles, theme cycles, and reading and writing workshops, will be highlighted through meaningful, hands-on, functional activities. Prerequisites: EDUC 321, EDUC 329, EDUC 423. Co-requisite: EDUC 342.	D - Demand F - Fall S - Spring
EDUC	0342	Developmental Reading: Elementary	ED	3		Explore, study, and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods, and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the self-concept of children with diverse learning styles, abilities, backgrounds, and attitudes as they learn to read. Includes practicum. Prerequisites: EDUC 321, EDUC 329, EDUC 423. Co-requisite: EDUC 340.	F - Fall S - Spring
EDUC	0343	Content Area Literacy: Elementary	ED	1		Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply, and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the elementary-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing elementary students' needs, plan instruction based on those needs, and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Prerequisite: EDUC 340 and 342 (Must be taken concurrently with EDUC 470.)	F - Fall S - Spring SU - Summer
EDUC	0344	Teaching Speech and Theatre in Middle and Secondary School	ED	2		Techniques, methods, and course content used in teaching speech and theatre. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	D - Demand S - Spring
EDUC	0345	Consortium: Teaching Foreign Language in PK-12	ED	3		An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Includes a mid-level practicum of at least 13 hours. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to professional education semester.	F - Fall

EDUC	0348	Transition Services	ED	3	A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: EDUC 302 and EDUC 305. Can be taken concurrently with the Junior Block.	S - Spring
EDUC	0380	Second Language Acquisition	ED	3	An introduction to the fundamental concepts and processes of first and second language acquisition. A systematic overview of factors that affect an individual's ability to acquire a new language both during childhood and later in life. Special emphasis is on acquiring English as a second language in instructed settings. Prerequisite: Sophomore standing.	S - Spring
EDUC	0381	Culture and Language Acquisition (Sociolinguistics) for ELL	ED	3	A study the role of culture in first- and second-language acquisition. The course discusses the history of diverse cultures in the United States and the role of language in cultural identity. It includes an emphasis on the application of differentiated strategies for diverse learners. The course looks at cultural interaction and social factors necessary to communicate with students and parents and focuses on creating a learning environment that is culturally sensitive and conducive to language learning.	F - Fall S - Spring SU - Summer
EDUC	0385	Assessment Strategies for English Language Learners	ED	3	The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. Prerequisites: EDUC 321, EDUC 329, and EDUC 423.	D - Demand
EDUC	0387	Linguistics and English Linguistics	ED	3	This course is designed to introduce the in-service and pre-service teachers to the different dimensions of grammar, and the use of these dimensions in their teaching practice to help their students develop a working knowledge of the English grammar. Prerequisite: Sophomore standing	SU - Summer
EDUC	0402	Historical and Philosophical Perspectives in Education	ED	2	Analysis of the historical, philosophical, political and sociological aspects of education and their impact on professional educators today. Emphasis is on the development of the American education system from the colonial period and the acquisition of educational belief systems. Prerequisite(s): Recommend concurrent enrollment with Junior Block. Must be taken prior to the professional education semester.	F - Fall S - Spring
EDUC	0403	Methods of Teaching Students with Mental Handicaps	ED	3	Designed to help the prospective or in-service teacher understand mental retardation and how to work effectively with students with mental retardation. Includes appropriate curriculum, individualized program development, and teaching strategies. Prerequisite: EDUC 304 & Junior Block.	D - Demand
EDUC	0404	Methods of Teaching Students with Learning Disabilities	ED	3	Designed for the prospective or in-service teacher of students with learning disabilities: diagnosis, evaluation, programming, instructional approaches, instructional strategies, and materials. Prerequisite: EDUC 304 and Junior Block.	D - Demand
EDUC	0405	Methods of Teaching Students with Emotional and Behavior Disorders	ED	3	Establishes a teaching rationale utilizing an individualized teaching strategy which enables the students with emotional and behavioral disorders to profit more fully from school experiences. Content will include Positive Behavioral Intervention and Supports (PBIS) model, behavioral Response to Intervention (Rti), the Functional Behavioral Analysis (FBA) assessment process, and an overview of Applied Behavioral Analysis (ABA). Prerequisite; EDUC 302 and 305 and Junior Block (EDUC 329, 423, 321).	D - Demand
EDUC	0407	Overcoming Math Anxiety	ED	2	Designed to help students overcome their personal mathematics anxiety, this course will also teach students how to stop the math anxiety cycle for their prospective elementary school students. Using a variety of intervention strategies and instruction in elementary education mathematics and mathematics education pedagogy, the course will enable students to help reduce, prevent, and eliminate fear and avoidance of mathematics in future generations of students. Prerequisite: MATH 119.	SU - Summer
EDUC	0408	Assessment and Practicum in Early Childhood	ED	4	An in-depth study of standardized early childhood screening instruments, informal observation techniques, and current assessment strategies will be provided along with supervised administration, scoring, and interpretation of standardized screening instruments. Course requires three hours of lecture and two clock-hours of practicum per week to practice systematic informal observation techniques and administer screening instruments, culminating in a written case study report. Prerequisites: EDUC 316, EDUC 318, and EDUC 319 or instructor permission.	F - Fall
EDUC	0410	Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12	ED	3	A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary students with mild disabilities in cross-categorical classrooms. Methodologies for students with learning disabilities, intellectual disabilities, autism, behavior disorders, physical disabilities, and other health impairments are discussed. Practicum hours required. Prerequisite: EDUC 302, 305 and Junior Block (EDUC 321, EDUC 329, and EDUC 423)	S - Spring
EDUC	0412	Middle School Philosophy, Organization, and Curriculum	ED	2	Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for teacher education majors seeking middle school certification (Grades 5-9) and for others interested in upper elementary grades and curriculum and instruction. A 10 clock hour practicum is included. Prerequisite: Junior Block.	F - Fall S - Spring

EDUC	0413	Methods of Teaching Students in the Middle Grades	ED	2	Exploration of middle school developmentally appropriate instructional planning, materials, evaluation, and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving, and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Designed for teacher education majors seeking middle school certification (Grades 5-9) and for others interested in upper elementary grades and curriculum and instruction. A 10 clock hour practicum is included. Prerequisite: Junior Block, EDUC 412 or recommended to be taken concurrently. Must be taken prior to professional education semester.	F - Fall S - Spring
EDUC	0415	Integrated Elementary Methods Practicum	ED	3	Clinical field experience in an elementary classroom with pragmatic application of differentiated instructional strategies, learning activities, and assessment. Candidates will plan, teach, and assess integrated content in an authentic learning environment supervised by a cooperating teacher for this 90-hour practicum. This course is taken the semester prior to candidate teaching with concurrent enrollment in EDUC 343, EDUC 470, EDUC 312 and either EDUC 311 or 322. Prerequisites: EDUC 342, MATH 120, BIO 101, PHYS 101, GEOL 210 & 212.	F - Fall S - Spring
EDUC	0420	Introduction to Counseling	ED	3	Survey course exploring the role and function of counseling, including theories, techniques, legal issues, ethical issues, diversity, and current issues and trends. Designed as an overview for the classroom teacher and the special educator for use with students and parents. Prerequisite: EDUC 302 or 304. Must be taken after to or concurrently with the Junior Block.	F - Fall S - Spring
EDUC	0422	Content Area Literacy I: Secondary/Middle School	ED	3	Secondary and Middle School education majors will explore and apply a variety of research-based and classroom-tested teaching strategies and learning activities designed to integrate a holistic approach to content area literacy. Students will practice strategies for integrating reading, writing, speaking, and listening into all content area classrooms. Students will utilize scaffolding tools to make content area reading more manageable and meaningful including before, during, and after-reading strategies; vocabulary development; content-specific reading approaches; and text-based analysis. Students will practice differentiating content area literacy strategies for students with disabilities and students learning English as a second language. The course may be taken concurrently with Junior Block.	D - Demand F - Fall S - Spring
EDUC	0423	Classroom and Behavior Management	ED	3	Teaches an understanding of individual and group motivation and behavior to create a learning environment that encourages active engagement in learning, positive social interaction, and self-motivation. Current theory will be investigated to devise strategies for a proactive approach to managing student behavior, immediate responses to classroom situations, and long-term maintenance of a positive learning environment. To be taken concurrently with EDUC 329 and EDUC 321.	F - Fall S - Spring
EDUC	0424	Content Area Literacy II: Secondary/Middle School Interventions	ED	3	This course is a continuation of EDUC 422, Content Area Literacy I. Secondary and Middle School education majors will explore and apply a variety of research-based and classroom-tested teaching/learning strategies designed to integrate a holistic approach to content area literacy. Students will be able to identify and apply College and Career Ready Anchor Standards in reading, writing, speaking, and listening and identify and apply literacy standards for grades 6-12. Students will also identify teaching strategies and learning activities that utilize high level comprehension skills. Students will also be able to identify and describe specific challenges related to reading in each content area and identify appropriate alternate reading options and instructional interventions for students with reading deficits. Students will also apply practices for assessing reader comprehension and using data to match students with appropriate texts. Prerequisite: EDUC 0422	F - Fall
EDUC	0430	Language Development for Exceptional Children	ED	3	Required for certification in special education. Basic structures of language, normal sequence of language acquisition, and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders. Prerequisite: EDUC 304. May be taken concurrently with or after Junior Block.	F - Fall
EDUC	0432	Critical Issues in Education	ED	2	This course will concentrate on the exploration of current school issues with special regard to the following two categories: legal and ethical aspects of teaching related to rights and responsibilities of educators, including relevant legislation and professional organization codes of ethics, as well as consultation and collaboration, including dispositions for teachers, teaching diverse students, and relationships with administration, students, parents, and the community. Includes field-based work and is part of the Student Teaching semester. Must be taken concurrently with Student Teaching during the Professional Semester.	F - Fall S - Spring
EDUC	0442	Student Teaching - Elementary	ED	10	Supervised participation on the elementary level in an assigned off-campus school site. The elementary student teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.	F - Fall S - Spring

EDUC	0444	Student Teaching - Special Education	ED	10		Supervised teaching in a special education setting in an assigned off-campus site. Course assignments require students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block. The student will be required to divide the experience into two equal segments - elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.	F - Fall S - Spring
EDUC	0446	Practicum in Special Education	ED	2		Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical, learning disabled, mentally handicapped, or behavior disordered. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: EDUC 304 and 3 credit hours of special education methods.	F - Fall
EDUC	0452	Student Teaching - Middle School	ED	10		Supervised teaching on the middle school level in an assigned off-campus school site. The middle school teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.	F - Fall S - Spring
EDUC	0462	Student Teaching-Secondary	ED	10		Supervised teaching on the secondary level in an assigned off-campus school site. The secondary school teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.	F - Fall S - Spring
EDUC	0464	Student Teaching -(K-12)	ED	10		Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the experience into two equal segments - elementary and secondary. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.	F - Fall S - Spring
EDUC	0470	Assessments for Reading Instruction	ED	3		This class prepares the beginning reading teacher and the regular classroom teacher to accurately assess reading interests, strengths and weaknesses of their students. Emphasis is focused upon using assessments as the vehicle to drive developmentally appropriate instruction. Class requires administering informal literacy assessments and planning instruction based on the results of the assessments. Prerequisites: EDUC 340, Junior Block, and EDUC 342, must be taken concurrently with EDUC 343.	F - Fall S - Spring SU - Summer
EDUC	0471	Practicum in Diagnosis of Reading Difficulties	ED	3		Practice in administering, interpreting, and reporting diagnostic test results of reading assessments. Emphasis on developmentally appropriate instruction based on testing results. Requires working with a reading disabled student and may involve off campus travel. Prerequisites: EDUC 342 or EDUC 422, EDUC 343, EDUC 474. May be taken concurrently with EDUC 470.	D - Demand
EDUC	0474	Educational-Psychological Testing in Special Education	ED	3		Comprehensive study of the various psycho-educational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence, and psychomotor. Emphasis on translating assessment data to support the creation of and review of the individual educational plan (I.E.P.). Data is further analyzed to inform the creation of remedial programs within a tiered classroom of instruction. Prerequisites: EDUC 302 and 305, PSY 310, and Junior Block.	F - Fall
EDUC	0480	Instructional Techniques for Teaching English Language Learners	ED	3		Current program designs for teaching English language learners with a focus on English as a second language and sheltered immersion. Recent methodologies in language teaching, such as task-based and content-based instruction. Effective techniques for developing language skills, curriculum development, lesson planning, needs and task analysis. (May be taken concurrently with or after Junior Block).	SU - Summer
EDUC	0481	Curriculum for Teaching English Language Learners	ED	3		Considerations for evaluating, selecting, adapting and creating materials for the development of reading, writing, listening, and speaking skills. The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. Prerequisites: EDUC 321, EDUC 329, and EDUC 423.	F - Fall
EDUC	0482	Practicum for Teaching English Language Learners	ED	3		The application of TESOL coursework supervised by the TESOL faculty. Training in the sheltered instruction observation protocol (SIOP) with particular attention given to implementing language objectives. Supervised practical classroom experience. Prerequisites: EDUC 380, EDUC 381, EDUC 480, and EDUC 481, and Junior Block.	D - Demand F - Fall S - Spring
EDUC	0483	Comparative Education and Cultures	ED	2		One credit hour of course work will be completed on campus prior to and following the field experience. Class lectures will focus on the culture and educational systems of designated countries as they relate to the development of the American education system and current educational trends in the various applicable cultures. One additional credit hour of the course will be gained from the field experience component. Travel in cultures studied will include visits in schools with interviews arranged to meet the certification profile of class participants.	D - Demand
EDUC	0484	Seminar in Science Education	ED	1	2	This course is designed to explore science and science education related to topics not currently in the required teacher education curriculum. Offerings will vary by term to meet the needs of students and availability of faculty. Prerequisite: Completion of Junior Block and permission of instructor.	D - Demand

EDUC	0498	Seminar in Problems of Education	ED	1	3	A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.	D - Demand
EDUC	0499	Independent Study	ED	1	4	Structured by the adviser with approval of department head. Prerequisites: Advanced standing in the major field and approval of adviser and department head.	D - Demand
EDUC	0580	Instructional Techniques for Teaching English Language Learners	ED	3		Current program designs for teaching English language learners with a focus on English as a second language and sheltered immersion. Recent methodologies in language teaching, such as task-based and content-based instruction. Effective techniques for developing language skills, curriculum development, lesson planning, needs and task analysis. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).	F - Fall S - Spring
EDUC	0581	Advanced Culture and Language Acquisition (Sociolinguistics) for ELL	ED	3		A study the role of culture in first- and second-language acquisition. The course discusses the history of diverse cultures in the United States and the role of language in cultural identity. It includes an emphasis on the application of differentiated strategies for diverse learners. The course looks at cultural interaction and social factors necessary to communicate with students and parents and focuses on creating a learning environment that is culturally sensitive and conducive to language learning. (M.S.Ed., ESL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for ESL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., ELL content. All projects will be supervised by the appropriate specialist. Pre-requisite: Graduate Office approval.	F - Fall S - Spring SU - Summer
EDUC	0582	Practicum for Teaching English Language Learners	ED	3		The application of TESOL coursework supervised by the TESOL faculty. Training in the sheltered instruction observation protocol (SIOP) with particular attention given to implementing language objectives. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).	F - Fall S - Spring
EDUC	0583	Second Language Acquisition	ED	3		An introduction to the fundamental concepts and processes of first and second language acquisition. A systematic overview of factors that affect an individual's ability to acquire a new language both during childhood and later in life. Special emphasis on acquiring English as a second language in instructed settings. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).	F - Fall S - Spring
EDUC	0584	Advanced Curriculum Development in English Language Learners	ED	3		Considerations for evaluating, selecting, and adapting materials for the development of reading, writing, listening, and speaking skills. M.S.Ed., ELL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., ELL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Department approval)	F - Fall S - Spring



EDUC	0585	Advanced Assessment Strategies in English Language Learners	ED	3		The use of a variety of assessment methodologies to guide instruction and practice, evaluate language proficiency, and measure learner progress, especially in the context of content-based English language instruction. M.S.Ed., ELL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ELL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for ELL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., ELL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Department approval)	F - Fall S - Spring SU - Summer
EDUC	0587	Linguistics and English Linguistics	ED	3		A systematic overview of the elements of the English language. Focus on grammatical analysis and the approaches to English grammar that are particularly relevant for language educators. Linguistic analysis of academic tasks for making sound pedagogical decisions and scaffolding instruction. M.S.Ed., TESOL students will be required to complete additional course projects to meet the rigor required for graduate level work. The projects may include individual and/or class case studies, school and/or district ESL planning, assessments for state or federal projects as well as professional development for their respective building or school district. Course projects will be aligned with course objectives and state competencies for TESOL. Projects will be determined by the course instructor with approval by the graduate school. The project outline will be submitted and approved according to state standards and indicators matrix. The project will be threaded throughout the M.S.Ed., TESOL content. All projects will be supervised by the appropriate specialist. (Pre-requisite: Graduate Office approval).	F - Fall S - Spring
EDUC	0601	Current Issues	ED	3		This course is designed to help educators become more aware of current issues and topics related to education. Topics will be studied within both historical and current contexts. The goal is to provide educators strategies to succeed in their teaching environments. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.	D - Demand F - Fall S - Spring
EDUC	0602	The Exceptional Child	ED	3		An introduction to the area of working with Exceptional Children in the P-12 learning environment and is required of all teacher education majors. The content includes the history of Special Education, legal issues, characteristics of the exceptional student, methods and techniques for instruction, resources in the community, and an exploration of assistive and adaptive technology.	D - Demand SU - Summer
EDUC	0603	Foundations of School Administration	ED	3		This course develops a basic foundation for the student preparing for a leadership role in a school system. The student will study the attitudes, practices, and skills necessary to become an effective school leader. This course explores the history, basic theories, and major areas of responsibility in school leadership. Student must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand
EDUC	0605	Educational Technology	ED	3		This course is designed to provide an overview of various technologies designed to promote student learning. The goal is to provide information on how to use technology in areas such as differentiation, assessment, and student and teacher productivity. Prerequisites: Acceptance to a MSSU Masters of Science in Education program and/or advisor approval.	D - Demand F - Fall S - Spring
EDUC	0607	Leadership Capstone	ED	2		This course utilizes the practical experiences performed and related literature. Students will address one school improvement issue through the completion of a formal paper. The course results in the completion of the student's research major project; preparation and presentation of the student's graduation portfolio; and completion of departmental assessments. The culminating course in the Educational Administration master's degree programs. This course requires 100 internship hours. Students must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission.	D - Demand
EDUC	0610	Multiculturalism in Education	ED	3		This course is designed to provide strategies for creating an inclusive classroom environment. The goal is to provide information about effective methods of inclusion and instruction for all students including those who have diversity of ability, culture, language, race, ethnicity, religion, gender, sexual orientation, or family constellation. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.	D - Demand F - Fall S - Spring
EDUC	0615	Classroom and Behavioral Management	ED	3		This course is designed to provide teachers an opportunity to assess their classroom management style with a focus on improving performance. The goal is to explore common classroom management issues, devise strategies for a proactive approach to managing student behavior, explore immediate responses to classroom situations and provide information on multiple management strategies. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and/or advisor approval.	D - Demand F - Fall S - Spring
EDUC	0620	Advanced Learning Theories	ED	3		This course is designed to inform students about the major theorists who have contributed to the study of learning. The goals are to examine how contemporary learning theories evolved from historical perspectives and to identify a personal philosophy of teaching and learning. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.	D - Demand F - Fall S - Spring
EDUC	0623	Ethics & Policy in School Leadership	ED	3		This course explores the statutory and regulatory requirements as well as the ethical implications of policy initiatives inherent in the effective operation of a school. Students must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand SU - Summer

EDUC	0625	Advanced Content Area Literacy	ED	3		This course is designed to provide an overview of the key factors influencing student literacy including motivation and metacognitive awareness. Students will practice strategies for integrating reading, writing, speaking and listening into all content area classrooms. Students will utilize scaffolding tools to make content area reading more manageable and meaningful including before, during, and after reading-reading strategies; vocabulary development; content-specific reading approaches; and text-based analysis. Students will also be able to identify and describe specific challenges related to reading in each content area and identify and describe specific challenges related to reading in each content area and identify appropriate alternate reading options and instructional interventions for students with reading deficits. Prerequisites: Admission to MSSU Masters of Curriculum and Instruction Program and/or advisor approval.	D - Demand F - Fall S - Spring
EDUC	0627	School Supervision	ED	3		This course introduces educators to the theories, knowledge, skills, and techniques of supervision as applied to the instructional setting and focuses on the role of supervision in the improvement of instruction. The course is two parts, one focusing on the role of the teacher as practitioner in mentoring pre-service and beginning teachers, while the second focuses on the role of the principal/administrator in a supervisory and evaluative capacity. The evaluative process as it relates to supervision is also discussed. Several approaches to supervision, including the developmental and clinical models, will also be presented. Learning methodology will emphasize both individual and collaborative group activities and will include case study analysis, discussion, and classroom presentations. Students must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand
EDUC	0630	Assessment of Student Learning	ED	3		This course is an overview of the current research, theory, and practice related to assessment and student learning. The goal is to assist students in seeing the relationship between research and practice and to provide a framework to use when making decisions about assessment methods and instructional strategies. Prerequisites: acceptance to the Teacher Education M.S.Ed. program and/or advisor approval.	D - Demand F - Fall S - Spring
EDUC	0633	Administration Leadership	ED	3		The course prepares educational leaders for their roles in managing certified and classified personnel to effectively achieve the objectives of educational programs K-12. It is designed as course for the study of enhancing professional performance through effective staff development and performance enhancement efforts. The course provides a broad overview of advanced elements of supervision including national teaching standards, adult learning theory, effective staff development and use of data to inform professional development efforts. Building level fiscal responsibilities are included with emphasis on budgeting. Students will demonstrate the ability to collaborate professionally with staff to enhance performance and promote successful teaching and learning. Prerequisites: Acceptance to the MSSU Teacher Education Graduate Program and/or advisor approval.	D - Demand
EDUC	0635	School Law	ED	3		This course is a survey of the laws and policies that govern P-12 education and their theoretical foundations. The goal is to provide information about how federal and state law drives P-12 policy and funding and the common legal issues that arise. Prerequisites: Acceptance to a MSSU Masters of Science in Education program and/or advisor approval.	D - Demand
EDUC	0640	Curriculum Construction	ED	3		Designed to provide information related to current P-12 curriculum development and to provide seasoned teachers an opportunity to assess their teaching styles and strategies with a focus on improving performance and becoming an instructional leader. The goal is for students to apply information from prior courses (technology, inclusion, differentiation, assessment, and learning theory) and current state and federal standards to construct relevant curriculum for a specific grade or content area. Students will integrate multiple data sources and information from prior courses (technology, inclusion, differentiation, assessment, and learning theory) in improvement plans. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program, EDUC 620 and 630, and advisor approval.	D - Demand F - Fall S - Spring
EDUC	0645	Teaching Methods and Instructional Strategies in the Subject Area	ED	3		This course is designed to provide teachers an opportunity to assess their teaching styles and strategies with a focus on improving performance and becoming instructional leaders. The goal is for students to complete tasks to improve instructional methods in a specific content area. Students will integrate multiple data sources and information from prior courses (technology, inclusion, differentiation, assessment, and learning theory) in their subject/content-specific improvement plans. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program, and/or advisor approval.	D - Demand F - Fall S - Spring
EDUC	0650	Research Design	ED	3		This course is an overview of the various methods used in conducting educational research. The goals are to provide information about qualitative, quantitative, and action research methods and give examples of how each is used in P-12 educational settings. Students will design an action research project that could be used in their educational environment. Students will also examine concepts such as establishing reliability and validity and research ethics. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction and advisor approval.	D - Demand F - Fall S - Spring
EDUC	0660	Teacher Leadership	ED	3		In this course, students will identify characteristics of the effective teacher leader and examine issues such as leadership styles, facilitation, reflection, and problem solving. Students will also analyze their role as a current/potential leader and suggest a plan for maximizing their potential. Prerequisites: Acceptance to the MSSU Masters of Curriculum and Instruction Program and advisor approval.	D - Demand F - Fall S - Spring

EDUC	0665	Elementary School Administration	ED	2		This course is a study of the administration of the elementary school and how it relates to the goals and objectives of modern elementary education. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized. The course permits the student preparing for a position in school administration and supervision to enter into a supervised internship. Acceptance to the MSSU Teacher Education Graduate Program and/or advisor approval.	D - Demand
EDUC	0667	Secondary School Administration	ED	2		This course focuses on administrative philosophies, methods, and techniques are included. An examination of the leadership responsibilities of the secondary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized. Special emphasis is placed on the administrative problems of the high school principal. The course permits the student preparing for a position in school administration and supervision to enter into a supervised internship. Students must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand
EDUC	0668	Internship I in Elementary School Administration	ED	1		This course involves a supervised field experience in which the student spends periods of time observing and performing various functions associated with school administration and supervision at the elementary building level. Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Internal activities will be the primary focus. This course requires 100 internship hours. Acceptance to the MSSU Teacher Education Graduate Program and/or advisor approval.	D - Demand
EDUC	0669	Internship I in Secondary School Administration	ED	1		This course involves a supervised field experience in which the student spends periods of time observing and performing various functions associated with school administration and supervision at the secondary building level. Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. This is the first part of a supervised, clinical internship that encourages a cooperative agreement among the key stakeholders. Internal activities will be the primary focus. This course requires 100 internship hours. Student must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand
EDUC	0670	Internship II in Elementary School Administration	ED	1		Involves a supervised field experience in which the student spends periods of time observing and performing various functions associated with school administration and supervision at the secondary building level. Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. This is the second part of a supervised, clinical, internship that encourages a cooperative agreement among the key stakeholders. External activities will be the primary focus. Students must be fully admitted to the M.S.Ed., Administration program and/or have advisor permission to enroll.	D - Demand
EDUC	0671	Internship II in Secondary School Administration	ED	1		Involves a supervised field experience in which the student spends periods of time observing and performing various functions associated with school administration and supervision at the secondary building level. Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. This is the second part of a supervised, clinical, internship that encourages a cooperative agreement among the key stakeholders. External activities will be the primary focus. This course requires 100 internship hours.	D - Demand
EH	0101	General Biology	AS	4		A survey of general biological principles that emphasize concepts relevant to the student. Special topics may be used to illustrate course content. Three one-hour lectures, one two-hour laboratory per week. Fulfills General Education requirements for Area D. Does not fulfill biology major requirements. Cross listed as EH 101 when taught with environmental health emphasis. BIO 101 or EH 101 fulfills the environmental health major general biology requirement. Cross listed as BIO 101.	F - Fall S - Spring SU - Summer
EH	0107	Environmental Science	AS	3		An introductory course in environmental science. The general concepts of ecology and the impact by humans on the environment will be covered. Emphasis will be on the attainment of a sustainable environment. Three hours of lecture per week. MOTR: BIOL 100	F - Fall S - Spring
EH	0211	HAZWOPER	AS	3		This course is designed to complete the U.S. Occupational Health and Safety Administration (OSHA) regulatory requirements (29 CFR 1910.120) for working at or on Hazardous Waste Cleanup and Generation Facilities. This course exceeds the requirements of the 40-hour "Hazardous Waste Operations and Emergency Response" (HAZWOPER) as required by OSHA regulation for individuals working on an uncontrolled hazardous waste site. Students who successfully complete this course will be awarded certificates of completion. Prerequisite: Instructor permission required.	D - Demand
EH	0298	Topics in Environmental Health	AS	1	5	Designed to give instruction in some discipline of environment health not covered in other courses. Prerequisites to be determined by department.	D - Demand

EH	0300	Environmental Geology	AS	3	An introduction to our relationship to the earth's environment. The limitations of natural resources and discussion of consequences of the exploitation of natural resources are considered along with the demands of humanity upon the environment. Overview of natural environmental hazards, including volcanoes, earthquakes, subsidence landslides, floods, and asteroid impacts. Prerequisite: Five credits in physical science, physics, and/or chemistry. Cross-listed as GEOL 300.	SO - Spring-Odd
EH	0304	Introduction to Geographic Information Systems	AS	3	Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisite: Junior Standing or consent of instructor. Cross-listed BIO 304 and GEOG 304.	FO - Fall-Odd
EH	0311	Soil Morphology and Sewage Systems	AS	3	Concepts, methods, and practices useful to the environmental health professional for soil morphology and site assessment leading to the proper design of residential sewage treatment systems. Two hours of lecture and two hours of field and/or laboratory activities are required per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	FE - Fall-Even FO - Fall-Odd
EH	0312	Environmental Biology	AS	3	This course is a study of how environmental factors interact with and impact living organisms and ecosystems. Emphasis is on global human ecology, environmental problems, sound environmental management practices and the sustainable use of natural resources. Three lecture hrs per week. Prerequisites: BIO 101 or 110 or 121. Cross-listed as BIO and EH 312.	SU - Summer
EH	0352	International Environmental Health	AS	3	An in-depth study of environmental health issues in countries other than the United States of America. The approach of this course is to select a country to be studied and review the pertinent environmental health issues. Environmental health issues common to many countries, as well as issues that are unique to the selected country will be studied. The environmental health issues of the selected country will be studied in class and followed up with an extended field trip usually lasting about two weeks. Prerequisites: EH 312. Priority given to EH majors.	D - Demand
EH	0370	Environmental Health & Safety	AS	3	A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as BIO 370 and HS 370.	F - Fall S - Spring SU - Summer
EH	0371	Environmental Toxicology	AS	3	This course is an introduction to natural and manmade toxicants and their effects on public health and the environment. Toxicological effects ranging from the molecular level to the ecological level will be discussed. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	SE - Spring-Even SO - Spring-Odd
EH	0372	Environmental Regulations	AS	3	A study of the regulations needed by environmental health professionals that work in the fields of environmental protection, environmental compliance, or public health and safety. Three hours of lecture per week. Prerequisite: Bio 101 or Bio 105 or Bio 121 or Chem 151.	FO - Fall-Odd SE - Spring-Even
EH	0373	Solid and Hazardous Waste Management	AS	3	Introduction to the problems and potential solutions related to the generation, disposal, recycling, reuse, and prevention of solid and hazardous wastes. Emphasis will be on solid and hazardous waste management for a sustainable society. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	FE - Fall-Even SO - Spring-Odd
EH	0374	Industrial Hygiene	AS	3	The anticipation, recognition, evaluation, prevention, and control of those environmental factors or stresses arising in or from the workplace which may cause sickness, impaired health and well-being, or significant discomfort among workers or among citizens of the community. Three hours of lecture per week. Prerequisites: BIO 101 or BIO 105 or BIO 121 or EH 101. A chemistry course is recommended.	FE - Fall-Even FO - Fall-Odd
EH	0375	Disease Vector Control	AS	1	Identification and control of organisms that serve as reservoirs and vectors of diseases to humans. One hour of lecture per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross listed as BIO 375.	FE - Fall-Even SO - Spring-Odd
EH	0376	Water Quality Management	AS	3	Concepts, methods and practices for water quality management, water treatment, wastewater treatment, storm-water management, recreational water management and remediation of groundwater for the protection of the environment and public health. Two hours of lecture and 2 hours of lab/field work per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	FE - Fall-Even SO - Spring-Odd
EH	0377	Food Safety	AS	3	The concepts, methods, practices, and regulations that help ensure a safe food supply. This information is useful for the environmental health professional working as a health agency regulator or as a quality control agent in the food industry. Two hrs. of lecture, two hrs. of lab/field work per week. Prerequisites: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	FE - Fall-Even FO - Fall-Odd
EH	0378	Occupational Health and Safety	AS	3	An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of their duties. This course is intended to provide students the classroom background to begin preparation for professional certification in safety. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	FE - Fall-Even FO - Fall-Odd

EH	0379	Career Planning for Environmental Health and Safety	AS	1		A survey of the various professions, certifications and organizations associated with the field of environmental health and safety. The student will plan for a successful internship and career as an environmental health and safety professional. One lecture per week. Prerequisites: EH 370 and Environmental Health major.	FO - Fall-Odd SE - Spring-Even
EH	0380	Epidemiology	AS	3		Introduction to the concepts, principles, and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 112 or 121 or 122 or EH 101. Cross-listed as BIO 380 and HS 380.	F - Fall S - Spring
EH	0382	Epidemiological Statistics	AS	1		The continuation of EH/BIO 380 Epidemiology by the further introduction of statistical methods that are useful in the analysis of disease outbreak or injury data. One hour of lecture per week. Prerequisite: BIO/EH/HS 380 or concurrent enrollment.	FO - Fall-Odd SO - Spring-Odd
EH	0404	Applications in Geographic Information Systems	AS	3		The goal of this course is to allow students to apply skills in spatial analysis to problems in social, physical, ecological, environmental health, and related areas of the social and natural sciences. Students will engage in all aspects of a GIS project with emphasis placed on employing various techniques of spatial statistics. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital map(s). Prerequisite: BIO/EH/GEOG 304 or content of instructor. Cross-listed as BIO 404 and GEOG 404.	S - Spring
EH	0410	Hazardous Incident Management	AS	1		Knowledge will be gained regarding the identification of, preparation for, and response to environmental health emergency situations. Emergency situations discussed will include environmental contamination by hazardous materials, hazardous waste, chemical incidents, radiological emergencies, and bioterrorism. Environmental health emergency management systems will be covered. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	SE - Spring-Even SO - Spring-Odd
EH	0411	Hazardous Material Safety	AS	2		This course provides information regarding the identification of hazardous materials and their potential impact on human health, safety and the environment. The material in this course will enable managing hazardous materials in ways to provide worker safety, protect health and protect the environment. Prerequisite: BIO/EH 101 or BIO 110 or BIO 121 or BIO 105. A chemistry course is recommended.	FO - Fall-Odd SE - Spring-Even
EH	0480	Environmental Epidemiology	AS	3		The study of the distribution and determinants of health-related states or events in specified populations that are influenced by physical, biological, chemical, and psychosocial factors in the environment. Both communicable and non-communicable diseases associated with environmental factors will be studied. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course and EH 380 are recommended.	D - Demand
EH	0481	Environmental Risk and Safety Management	AS	3		The concepts, principles, methods, and techniques useful to the environmental health professional in risk assessment, risk management, and risk communications for the protection of the environment, the public safety, and the public health. Three hours of class per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended.	SE - Spring-Even
EH	0495	Field Experience in EH&S	AS	1	4	Field experience in compliance with the Environmental Health Accreditation Council (EHAC) requirements to provide an opportunity to observe and practice environmental health and safety concepts in a real-world setting. A proposal between the student and the cooperating facility/organization must be submitted for approval to the EHS Program Director prior to the semester of enrollment. The field experience must take place in the semester of enrollment. Each credit hour requires 90 work hours. A minimum of 2 credit hours (180 work hours) is required prior to graduation. Prerequisite: Environmental Health & Safety major with at least 10 credit hours of EH courses and approval of EHS Program Director, Department Chair and School Dean as needed.	F - Fall S - Spring SU - Summer
EH	0498	Special Topics in Environmental Health	AS	1	5	Designed to give instruction in some discipline of environment health not covered in other courses. For upper division majors. Prerequisites to be determined by department.	D - Demand
EH	0499	Independent Study in Environmental Health & Safety	AS	1	6	Under faculty supervision, the student will perform in-depth research and report on a specific topic from the field of environmental health and safety that has not been covered sufficiently in a current course. Prerequisites: Environmental Health major and 12 hours in EH or permission.	D - Demand
ENG	0080	Basic Composition	AS	3		For students with an English ACT score of 16 or less or a Writing Placement Exam (WPE) score which indicates a need for developmental composition. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing, and organization. No credit toward baccalaureate degree.	F - Fall S - Spring
ENG	0101	College Composition I (Writing Intensive)	AS	3		An introduction to the principles of college-level writing and critical thinking. Students will write a number of essays for a variety of purposes and audiences. Successful completion of the course permits the student to enroll in ENG 102. Students demonstrating exceptional ability as indicated by Writing Placement scores may take ENG 111. Prerequisite: English ACT score 18 to 28. MOTR: ENGL 101	F - Fall S - Spring SU - Summer
ENG	0102	College Composition II (Writing Intensive)	AS	3		Continued development of writing skills. Emphasizes writing from sources. Initiation, development, and completion of a research paper. Prerequisite: ENG 101. MOTR: ENGL 200	F - Fall S - Spring SU - Summer
ENG	0111	Advanced College Composition (Writing Intensive)	AS	3		For students whose Writing Placement scores demonstrate exceptional proficiency. With a grade of 'C' or better in English 111, a student also automatically receives three hrs. credit for ENG 101, thereby satisfying the six hour composition requirement. Students	F - Fall



					receiving a 'D' in ENG 111 must take ENG 102. Prerequisite: English ACT of 29 or higher.	
ENG	0202	Writing and Research in English	AS	3	A required gateway course for English B.A. and B.S.E. majors. An introduction to the aims and methods of writing and scholarship in the discipline. Prerequisite: ENG 102 or ENG 111.	F - Fall S - Spring
ENG	0216	Creative Writing	AS	3	Writing of prose, poetry, and drama. A study of the writer's roles and technical approaches to literature in order to develop creative writing skills. Prerequisite: ENG 102 or ENG 111.	F - Fall
ENG	0240	The Short Story	AS	3	In-depth study of short fiction from approximately 1800 to present. Emphasizes close reading/study of text-both form and content. Draws upon classic and contemporary works from a range of times, philosophies, cultures, styles and techniques. Prerequisites: ENG 101 and ENG 102 OR ENG 111. MOTR: LITR 100	F - Fall S - Spring SU - Summer
ENG	0250	Introduction to Literature	AS	3	An introduction to literary analysis and the major literary genres, including the examination of literary themes and techniques common in fiction, poetry, and drama. Prerequisite: ENG 101, or ENG 111. (Meets Area F.2 General Education requirement.) MOTR: LITR 100	F - Fall S - Spring
ENG	0261	World Literature I	AS	3	Selected literature from the ancient world through the Renaissance, excluding British and American literature. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 200A	F - Fall S - Spring
ENG	0262	World Literature II	AS	3	Selected literature from the Renaissance to the present, excluding British and American literature. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 200M	F - Fall S - Spring
ENG	0271	British Literature I	AS	3	Survey of British literature from its beginnings through the eighteenth century. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 102A	F - Fall S - Spring
ENG	0272	British Literature II	AS	3	Survey of British literature from the Romantic Movement to the present. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 102B	F - Fall S - Spring
ENG	0281	American Literature I	AS	3	A survey of American literature from its beginning to the Civil War. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 101A	F - Fall S - Spring
ENG	0282	American Literature II	AS	3	A survey of American literature from the Civil War to the present. Prerequisite: ENG 101 or ENG 111. MOTR: LITR 101B	F - Fall S - Spring
ENG	0298	Topics in English	AS	1 3	Studies in a variety of areas not covered in regular courses. Topic open. Prerequisite: ENG 101 or 111.	D - Demand
ENG	0301	Introduction to English Linguistics	AS	3	The scientific study of the English language, from ca. 1960 to the present, covering such topics as phonology, morphology, syntax, language acquisition, regional and social variation, and usage. Prerequisite: ENG 102 or ENG 111.	F - Fall
ENG	0307	Film Perspectives	AS	3	Study of film as a narrative medium, with emphasis on understanding the elements of film and analyzing films from a variety of perspectives. Prerequisites: ENG 102 or ENG 111.	F - Fall
ENG	0310	Professional Writing	AS	3	An advanced course focused on the writing demands of professional occupations. Prerequisite: ENG 102 or ENG 111.	F - Fall
ENG	0312	Advanced Professional Writing	AS	3	Intended as a continuation of ENG 310, this course covers the types of on-demand writing done by professional and technical writers. The course includes job search and self-promotion strategies required of such writers. Emphasis is on writing with technology. Coursework will include writing for websites and other media, analyses of professional models, and compiling a professional writing portfolio. Prerequisite: ENG 310 or permission of instructor.	S - Spring
ENG	0313	Technical Writing	AS	3	An advanced course focused on the practical demands of on-the-job writing, designed primarily for upper-level students preparing for careers in science, technology, or social science. Prerequisite: ENG 102 or ENG 111.	S - Spring
ENG	0315	Advanced Essay Writing	AS	3	An advanced course in the principles of prose style, focusing on the academic essay. Recommended for all students, especially those entering the professions or aspiring to become writers. Prerequisite: ENG 102 or ENG 111.	S - Spring
ENG	0316	Creative Writing: Poetry	AS	3	An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: ENG 102 or ENG 111 and ENG 216 or permission of instructor.	SO - Spring-Odd
ENG	0317	Creative Writing: Fiction	AS	3	An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: ENG 102 or ENG 111 and ENG 216 or permission of instructor.	SE - Spring-Even
ENG	0319	Teaching Writing in the Middle and Secondary School	AS	3	For prospective teachers of English. Composition theory and pedagogy. Prerequisite: ENG 102 or ENG 111.	F - Fall
ENG	0325	Children's Literature	AS	3	A reading, lecture, and observation course for elementary education students, including evaluation of children's literature, its historical development, and its uses in the elementary school. Does not count toward the English B.A. and secondary English B.S.E. majors. Prerequisite: ENG 102 or ENG 111.	F - Fall S - Spring
ENG	0330	Young Adult Literature	AS	3	An extensive reading course for English education majors including evaluation of adolescent literature, some methodology for classroom use, and a major unit on minority literature. Prerequisite: ENG 102 or ENG 111.	S - Spring
ENG	0333	Literary Paris	AS	3	An examination of the historic role of Paris in literary production and of the literature produced in this city. Emphasis will be placed upon the city as a locus for the literary productions that shape American, British, and World literatures. Coursework will include a practical orientation to the city, an introduction to French culture, and an in-depth examination of some of those authors whose work was shaped by Parisian experiences. The course includes a mandatory trip to Paris. Prerequisite: ENG 202. Co-Requisite: FREN 101 or	D - Demand S - Spring

						previous French language experience as determined by the instructor.	
ENG	0361	Studies in World Literature	AS	3		A course enabling concentrated study of carefully focused topics in world literature through critical reading and discussion of, and writing about, a range of world literary texts, primarily texts in translation. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental World Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisite: ENG 202.	F - Fall S - Spring
ENG	0371	Studies in British Literature	AS	3		A course enabling concentrated study of carefully focused topics in British literature through critical reading and discussion of, and writing about, a range of British literary texts. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental British Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisite: ENG 202.	F - Fall S - Spring
ENG	0381	Studies in American Literature	AS	3		A course enabling concentrated study of carefully focused topics in American literature through critical reading and discussion of, and writing about, a range of American literary texts. Content of any particular course offering to be determined by instructors' proposals, subject to review by the departmental American Literature Committee and approval by the departmental Curriculum Committee. May be retaken as different topics for a maximum of 12 credit hours. Prerequisite: ENG 202.	F - Fall S - Spring
ENG	0400	History of the English Language	AS	3		A study of the ancestors of Modern English and the effect of other languages, peoples, and cultures upon the development of English. Phonology, morphology, syntax, and usage of the language throughout its history. Prerequisite: ENG 102 or ENG 111.	S - Spring
ENG	0450	Shakespeare	AS	3		A study of selected comedies, histories, tragedies, romances, and poems. Prerequisite: ENG 102 or ENG 111.	F - Fall
ENG	0480	Literary Theory and Criticism	AS	3		A study of major schools of criticism and the major representatives of each school. Prerequisite: ENG 102 or ENG 111.	SO - Spring-Odd
ENG	0491	Internship in English	AS	1	8	Practical experience using writing skills in a professional environment. All internships must conform with MSSU institutional policy regarding the number of hours work per credit and contractual agreements with cooperating facility. Three-hour internships may be repeated. Prerequisites: ENG 102 or ENG 111; Advanced standing with a GPA of 3.0, and approval of a departmental committee.	F - Fall S - Spring SU - Summer
ENG	0495	Senior Seminar	AS	3		Intensive study of one or more literary authors, genres, and/or historical periods, culminating in a substantial research paper. Topic open. Prerequisite for English majors: ENG 202. For senior English majors or for others by permission of department head.	F - Fall S - Spring
ENG	0498	Advanced Topics in English	AS	1	3	For advanced English majors or by permission of department head. Topic open. Prerequisite: ENG 102 or ENG 111.	D - Demand
ENG	0499	Independent Study	AS	1	3	Individually directed study in selected areas for advanced English majors. Prerequisite: ENG 102 or ENG 111; a GPA of 3.0 in English. Enrollment must be approved by adviser, department head, and school dean.	D - Demand
ENT	0202	Business Opportunities and Innovation	BA	1		A course concentrating on analyzing the feasibility of starting or expanding a business venture. Topics include developing strategies for various types of existing business ventures and new startups, product positioning, the purchase of existing businesses, franchising, and determining and creating a competitive advantage for products and services.	F - Fall
ENT	0203	Legal Aspects for Entrepreneurs	BA	1		This course will cover the formation, advantages and disadvantages of corporations, partnerships, LLCs, and sole proprietorships as different forms of legal ownership for new businesses. Topics include business licenses, business insurance, government regulations, government support systems, liability, and ethical issues.	F - Fall
ENT	0204	Initial Capitalization	BA	1		A course to help prepare the entrepreneur for presenting their "initial capital" needs to the appropriate audience in obtaining financing for their new business.	S - Spring
ENT	0206	Entrepreneurial Computerized Accounting	BA	1		A course to prepare the entrepreneur for applying computerized accounting technology to a small business situation. QuickBooks for Windows will be used for the course.	S - Spring
ENT	0207	Entrepreneurial Accounting Foundations	BA	1		A course to teach entrepreneurs accounting concepts so they will have background knowledge of the how and why of financial statement preparation as related to managing small businesses.	F - Fall
ENT	0208	Entrepreneurial Accounting Reports	BA	1		A course to acquaint entrepreneurs with the various accounting and financial records needed to successfully operate a small business.	F - Fall
ENT	0210	The Management Process for Entrepreneurs	BA	1		A course to acquaint the entrepreneur with basic theories and principles of management as they relate to an entrepreneurial and newly formed business. Using E-commerce in traditional companies will be evaluated. Small business survival by gaining the competitive edge will be stressed.	S - Spring
ENT	0212	Human Resource Issues for Entrepreneurs	BA	1		This course is designed to help the students and owners of small businesses improve their human relations skills needed in running a business. The discovering of one's management style and the development of new management skills will be covered.	S - Spring
ENT	0214	Entrepreneurial Pricing Strategies	BA	1		This course will concentrate on the pricing of products for a small business for profit, and the development of pricing strategies and sales promotion techniques that will allow businesses to attract	S - Spring

					customers for the buying process. The emphasis will be on pricing strategies for goods and/or services.	
ENT	0215	Entrepreneurial Retail Management	BA	1	This course will acquaint the entrepreneur with various techniques of inventory/merchandise planning and controls. It will also focus on merchandising strategies, salesmanship, location analysis, and the purchasing function.	S - Spring
ENT	0305	Entrepreneurial Financial Analysis	BA	1	A course for preparing analysis on a new or existing business in the areas of business operating cycle, quality indicators, financial ratios, permanent working capital, and cash flow analysis. A financial analysis model will be explored to determine cash flow from profits, operational and non-operational sources.	S - Spring
ENT	0309	New Venture Taxation	BA	1	A course to acquaint entrepreneurs with the tax concerns of the different forms of business organizations. Federal and state tax documents necessary for a small business to operate will be examined. Consequences of noncompliance with taxing authorities will also be explored.	F - Fall
ENT	0311	Entrepreneurship Strategy	BA	1	Entrepreneurial Strategy is a course to help small business owners and those wanting to start a small business develop and implement management strategies for efficiency and to learn and practice the important functions of planning and organizing a small business. Emphasis is on entry strategies and using the balanced scorecard to set internal strategies for the entrepreneurial venture.	S - Spring
ENT	0313	Entrepreneurial Marketing Strategies	BA	1	This course will introduce the entrepreneur to the complexities of marketing entrepreneurial businesses. The entrepreneur will learn to develop the marketing goals of a business and select a marketing mix to communicate those ideas to the marketplace. Developing creative marketing messages that are cost effective to implement will be covered. Utilizing the Internet in promotional strategies will be examined.	S - Spring
ENT	0321	Business Planning for Entrepreneurs	BA	1	This course focuses on the proper techniques to use in preparing and presenting a business plan, which will provide the necessary goals and directions for creating, managing, and gaining profit from a business. Practical insights into the importance and relevance of effective business planning will be covered.	F - Fall
ENT	0401	New Venture Formation	BA	3	Students will be required to complete the following tasks generally inclusive with creating, and managing a small business: identify a viable product/service and target market; develop an organizational structure for the company; write a business plan; maintain internal cost and accounting procedures; develop advertising and marketing strategies; and harvest the business. Prerequisite: ENT 321.	S - Spring
ENT	0402	Managing Innovation and Technology	BA	3	Students work in a consulting capacity problem solving for entrepreneurial companies that may be located in a business innovation center or referred by the Small Business & Technology Development Center. Students work on conducting a SWAT analysis and with problems related to marketing, financial management, managerial issues, and other business requirements in which students will combine business and consulting skills in a way that leads to innovation and sustainable growth in the small businesses. Prerequisite: ENT 321.	F - Fall
ESL	0051	Level 1: Introduction to Grammar	AS	3	Students focus on basic grammar structures in English at the independent word, phrase, and simple sentence level. Emphases include concrete, abstract, count and non-count nouns, pronouns, adjectives, adverbs, prepositions, regular and irregular verbs. Subject verb agreement and verb tensing is stressed. The course emphasizes use and understanding of these structures.	F - Fall
ESL	0052	Level 1: Beginning Listening and Speaking	AS	3	Students focus on basic speaking and listening skills, including practice in language production and understanding. Primary focus of the course is pronunciation of American English phonemes and morphemes with additional work to assist students' communication needs common situations. Topics include general conversation, interviewing, requests, questions and answers, and expressing opinions.	F - Fall S - Spring
ESL	0053	Level 1: Beginning Reading	AS	3	Students focus on basic reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skills necessary to move on to higher level reading courses in the IEP. Topics include general purpose and recreational reading, reading speed and comprehension strategies, vocabulary and idiomatic expression development.	F - Fall S - Spring
ESL	0054	Level 1: Beginning Composition	AS	3	This course is designed to help the ESL learner master English syntax at the sentence level, with an introduction to basic paragraph form. Emphasis is on competency in clearly expressing ideas through developing various sentence structures. Students learn development of main and supporting ideas, simple and compound sentence structure.	F - Fall S - Spring
ESL	0057	Level 1: Beginning English Skills	AS	3	Students learn to navigate the American classroom system on the university level. Students explore relationships in America by participating in discussions, on campus activities and conversations with native English speakers as well as successful IEP students in higher levels. University policies and classroom expectations are a main focus. Emphasis is placed on skills needed to be successful in the American university environment.	F - Fall S - Spring
ESL	0061	Level 2: Basic Grammar	AS	3	Students focus on basic grammar structures in English at the sentence level. Emphases include verb forms and tensing structures, subject/verb agreement, parts of speech, use of adjective, adverb and prepositional phrases, noun and pronoun forms, and active/passive voices. Sentence construction is stressed, including complex sentence structures. The course emphasizes use and understanding of these structures.	F - Fall S - Spring

ESL	0062	Level 2: Speaking and Listening	AS	3		Students focus on basic speaking and listening skills, including practice in language production and understanding. Primary focus of the course is basic level conversation in American Standard English, with additional work to assist students' communication needs for survival English. Topics include conversation, requests, questions and answers, and formulaic exchanges such as greetings, introductions and shopping.	F - Fall S - Spring
ESL	0063	Level 2: Reading Skills	AS	3		Students focus on basic reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skill development and reading fluency (speed and comprehension). Topics include general purpose and recreational reading, vocabulary and idiomatic expression development.	F - Fall S - Spring
ESL	0064	Level 2: Writing in English	AS	3		This course is designed to help the ESL learner master English syntax at the phrase, clause and sentence level, with an introduction to basic paragraph form. Emphasis is on competency in expressing clearly complex ideas through developing various sentence structures and types. Students learn development of primary and secondary ideas. Class writing assignments are linked, when possible, to authentic purposes for writing.	F - Fall S - Spring
ESL	0067	Level 2: Developing Basic English Skills	AS	3		Students focus on four basic English skills: reading, writing, speaking and listening, and grammar. Primary focus stresses the skills most important at a beginning level: vocabulary development, correct grammatical structures, written communication strategies, negotiating meaning and avoiding misunderstandings, and participation in common, everyday communications, questions and answers, and opinions.	SU - Summer
ESL	0072	Level 3: Speaking and Listening	AS	3		Students focus on basic and intermediate speaking and listening skills, including practice in language production and understanding. Primary focus of the course is conversation in American Standard English, with additional work to assist students' communication needs in American higher education. Topics include general conversation, interviewing, requests, questions and answers, and expressing opinions.	F - Fall S - Spring
ESL	0073	Level 3: Reading and Vocabulary	AS	3		Students focus on basic and intermediate reading skills, stressing reading strategies and vocabulary development. Primary focus stresses reading skills necessary in the general environment of American higher education by way of an introduction to American culture. Topics include general purpose and recreational reading, reading speed and comprehension strategies, vocabulary and idiomatic expression development.	F - Fall S - Spring
ESL	0074	Level 3: ESL Composition	AS	3		This course is designed to help the ESL learner master English syntax at the sentence and paragraph level, with an introduction to basic academic essay form. Emphasis is on competency in expressing clearly complex ideas through developing various types of paragraphs. Students learn development of main and supporting ideas.	F - Fall S - Spring
ESL	0077	Level 3: Intermediate ESL Skills	AS	3		Students focus on four intermediate English skills: reading, writing, speaking and listening, and grammar. Primary focus stresses the skills most important at an intermediate level: vocabulary building, correct grammatical structures for communicative language production, and participation in common, everyday communications, questions and answers, and expressing opinions.	D - Demand
ESL	0082	Level 4: Academic Speaking and Listening	AS	3		Students focus on advanced speaking and listening skills appropriate to American higher educational settings, including language production and understanding. The course emphasizes academic lecture discourse and note taking skills; discussion leadership and participation styles; researching, analyzing and expressing opinions on a variety of academic topics. Requires a placement test or approval of the IEP director.	F - Fall S - Spring
ESL	0083	Level 4: Academic Reading	AS	3		Students focus on reading skills necessary for university academic work, stressing reading strategies and vocabulary development. Primary focuses are understanding difficult texts and vocabularies, increasing reading speed and encouragement of recreational reading in English. Topics include essay and academic texts; careful reading, skimming and scanning skills, and summarizing. Requires a placement test or permission of the IEP director.	F - Fall S - Spring
ESL	0084	Level 4: ESL Composition	AS	3		This course is designed to help the ESL learner master English syntax at the essay and formal paper level, with introduction to basic citation form. Emphasis is on academic discourse styles in development of the essay and other types of classroom written work. Topics include development of a thesis through essay organization and writing clearly under the pressure of time. Requires a placement test or permission of the IEP director.	F - Fall S - Spring
ESL	0087	Level 4: Advanced ESL Skills	AS	3		Students focus on four advanced English skills: reading, writing, speaking and listening, and grammar. Primary focus stresses the skills most important at an advanced level: vocabulary building in technical, professional and academic areas, correct grammatical structures for business and academic language production, and participation in university level communications, discussions, formal questions and expressing opinions.	D - Demand
ESL	0092	Level 5: Advanced Speaking and Listening	AS	3		Students focus on the principles of oral communication: advanced speaking and listening skills essential for success in collegiate coursework. These skills include, but are not limited to the following: academic note-taking skills, academic presentation skills, skills for leading a discussion and fielding questions, advanced pronunciation skills guided by self-monitoring and self-assessment, effective use of research for a formal presentation, and critical assessment skills for evaluating research material. Material evaluated will be derived from the following: academic lectures, dictionary basics, pronunciation (vowel basics, consonant basics, syllables and word endings, stress in words, rhythm in phrases and sentences), thought groups and focus words, and models of professional and well-researched presentations.	F - Fall S - Spring SU - Summer

ESL	0093	Level 5: Advanced Reading	AS	3		This course prepares students for the intensive reading requirements of a university classroom. Various forms of academic texts are analyzed with objectives of improving reading comprehension through identifying authors' writing styles and communicative intents. Additional emphases are placed on building vocabulary, taking notes while reading, and incorporating reading as a necessary study skill. Concepts of reading for various styles of exam questions is also discussed. Prerequisite: ESL 0083 or placement test for new admits.	F - Fall S - Spring
ESL	0097	ESL Topics	AS	0	8	Short term courses for persons desiring short study of English while in the U.S. Non-gradable.	D - Demand
ESL	0130	Studying for the TOEFL	AS	2		This course focuses on the tools good students use to prepare for the TOEFL examinations. English competence and a number of other factors affect student performance, including test anxiety, assessment misunderstanding, unfamiliarity with key vocabulary, poor study habits and poor strategies. The goal of this short course is to introduce the most helpful things to prepare for the TOEFL and, by extension, other language assessments such as the Michigan Test Battery.	D - Demand
FIN	0101	Introduction to Personal Financial Planning	BA	3		Introduction to the concepts and tools necessary for effective management of personal financial health. Includes goal-setting, investment decisions, obtaining and using credit, insurance, and retirement planning. Also provides exposure to various business careers and to comparable decisions that business owners and managers make.	F - Fall SU - Summer
FIN	0320	Pension Planning	BA	3		Pension Planning is the establishment, implementation, and management of private retirement plans. Topics include: the history of private pension plans in the United States, the debate over defined benefit versus defined contribution plans, tax considerations in pension planning, important aspects of various types of pension plans, funding of pension plans, terminating pension plans, and investment issues for pension plans. Prerequisites: ECON 201, ECON 202, and ACCT 201. Co-requisite: GB 301.	D - Demand
FIN	0330	Principles of Insurance	BA	3		Survey of the fundamentals of insurance, including risk management, interpretation of policies, property insurance, liability insurance, health insurance, and life insurance. Prerequisites: ECON 201 and ECON 202.	F - Fall
FIN	0350	Financial Management	BA	3		Study of the financial operating environment and financial analysis; risk and valuation; time value of money; capital budgeting; cost of capital and leverage; working capital management; and dividend policy. Prerequisites: ECON 201, ECON 202, and ACCT 202.	F - Fall S - Spring SU - Summer
FIN	0370	Estate Planning	BA	3		The study of the efficient conservation and transfer of wealth, consistent with the client's goals. The course will consider the legal, tax, financial, and non-financial aspects of this process. Topics covered will include trusts, wills, probate, advanced directives, charitable giving, wealth transfers, and related taxes. Prerequisites: FIN 350, ACCT 375, and GB 301.	D - Demand
FIN	0400	Bank Management	BA	3		Provides an introduction to the commercial bank industry, its organization, structure, and regulation. The lending and investment functions of banking are examined along with liability and capital management issues, including de nova banking and merger/acquisitions. Its purpose is to offer an overview of commercial banks and their delivery role in the financial services industry. Prerequisites: ECON 300 and FIN 350.	F - Fall
FIN	0411	Investments	BA	3		Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; and security price-making forces. Prerequisite: FIN 101.	F - Fall
FIN	0420	Security Analysis	BA	3		A broad introduction to basic stock selection using "fundamental" analysis whereby "over" and "under" valued stocks are to be identified. The class will construct a common stock portfolio of 0 to 25 stocks. Other topics covered will include: basic schools of investment thought, diversification, quality of earnings, and factors affecting equity ownership. Prerequisite: FIN 350 or permission.	D - Demand
FIN	0421	Portfolio Management	BA	3		Theories of diversification, portfolio construction and portfolio management; fundamental analysis of securities; investment goals and strategies; economic and industry analysis; decision making for the Youngman Portfolio. Prerequisite: FIN 411.	S - Spring
FIN	0422	Portfolio Management II	BA	3		Theories of diversification, portfolio construction and portfolio management; fundamental analysis of securities; economic and industry analysis; financial software competencies; derivatives; decision making for the Youngman Portfolio. Prerequisite: FIN 421.	D - Demand
FIN	0435	Financial Analysis	BA	3		This applied course will familiarize students with the analytical and empirical tools used by financial managers to evaluate and forecast financial performance and perform project analysis and valuation. Topics will include the discounted cash flow analysis; project risk analysis; cost of capital; forecasting financial statements; enterprise valuation; and valuation using financial derivatives. Prerequisites: FIN 350, MGMT 237.	F - Fall SU - Summer
FIN	0440	Advanced Financial Planning: Cases and Applications	BA	3		This course will integrate material presented in the financial planning track coursework. Students will be engaged in critical thinking and decision making regarding personal financial management topics in the context of the financial planning process. Prerequisites: ACCT 375, FIN 320, and FIN 330. Co-requisites: FIN 370 and FIN 411.	D - Demand
FIN	0450	Financial Strategy	BA	3		Financial planning, capital budgeting under constraints of mutual exclusiveness and capital rationing, leverage (both operating and financial), debt financing, common stock (including dividend policy), preferred stock, leasing, mergers, LBOs using a case study approach. Prerequisite: FIN 350.	S - Spring



FIN	0491	Internship in Finance	BA	1	6	An internship for senior Finance students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours, and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA, and department approval. Repeatable up to six credit hours.	D - Demand
FIN	0498	Advanced Topics in Finance	BA	1	3	For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in Business Cycles, and 498-Seminar in Public Finance.	D - Demand
FIN	0499	Independent Study in Finance	BA	1	6	Individually directed readings, research and discussion in selected areas of Finance for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.	D - Demand
FIN	0535	Financial Analysis	BA	3		This applied course will familiarize students with the analytical and empirical tools used by financial managers to evaluate and forecast financial performance and perform project analysis and valuation. Topics will include the discounted cash flow analysis; project risk analysis; cost of capital; forecasting financial statements; enterprise valuation; and valuation using financial derivatives. Prerequisites: FIN 350 and MGMT 237.	F - Fall SU - Summer
FIN	0600	Budgeting & Financial Controls	BA	3		In this course the students will learn to create, execute and analyze budgets used in public, non-profit and for-profit organizations. The course will teach students specific tools using case studies and exercises. The course will cover budget analysis, development, formulation, cost and revenue estimation, budget execution, strategies and tactics and evaluation of operating and capital budgets. The implementation of financial controls will be emphasized.	F - Fall
FREN	0101	Beginning French I	AS	3		The first semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: None. MOTR: LANG 101	F - Fall S - Spring
FREN	0102	Beginning French II	AS	3		The second semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 101 or equivalent level of proficiency. MOTR: LANG 102	F - Fall S - Spring
FREN	0203	Intermediate French I	AS	3		The third semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 102 or equivalent level of proficiency.	F - Fall S - Spring
FREN	0204	Intermediate French II	AS	3		The fourth semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: FREN 203 or equivalent level of proficiency.	F - Fall S - Spring
FREN	0250	French Conversation & Grammar	AS	6		Intensive practice of basic French vocabulary and structures is combined with visits to sites of cultural or historical interest in the Orleans area. Students will have daily classes in grammar and conversation, supplemented by language lab practice and workshop of their choice. Prerequisite: FREN 102 or the equivalent and a placement test. The course will be offered only as a study abroad option.	D - Demand
FREN	0298	Topics in French	AS	1	8	Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.	D - Demand
FREN	0300	Advanced French	AS	3		The third semester of French language instruction, honing proficiency in listening, speaking, reading, and writing, and continuing instruction in the study of French-speaking cultures. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.	F - Fall S - Spring
FREN	0302	Contemporary French Culture and Civilization	AS	3		Continued development of language skills (listening, speaking, reading, and writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them, and the arts and media will be the focus for reading and discussion. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0304	Introduction to French Literature	AS	3		This course is an introduction to basic concepts and terminology of literary criticism through several different critical approaches to the literary text. Reading and discussion of selected poems, plays, and fiction representing various literary periods. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0305	Contemporary Francophone Cultures	AS	3		Analysis of contemporary life in selected French-speaking regions: Quebec, Senegal, and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0306	French Culture & Civilization	AS	3		The course will continue the development of the four basic language skills (listening, speaking, reading, and writing). The thematic focus of the class will be the historical, political, social, and cultural development of France from its origins to the 20th century. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0309	French Language (Consortium)	AS	1	5	French Composition offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0324	French Theater Studies	AS	3		Reading, discussion, and performance of plays from France and the Francophone world. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0327	French Cinema Studies	AS	3		An introductory or advanced survey or topics course in French and/or Francophone cinematographic production. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand

FREN	0350	Language and Civilization	AS	6		Intensive development of all language skills (listening, speaking, reading, and writing) is combined with visits to sites of cultural or historical interest in Orleans and the surrounding chateau region. Cultural and literary topics are introduced. Weekend excursions. Prerequisite: FREN 203 or equivalent level of proficiency. A placement test required. The course will be offered only as a study abroad option.	D - Demand
FREN	0400	French for Business	AS	3		An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0402	Topics French Lit post-1700	AS	3		A survey of French literature from the eighteenth-century up to our contemporary century, or a treatment of specific topics within this span of time. A student may repeat this course up to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.	F - Fall S - Spring
FREN	0404	French Women Writers	AS	3		The course will focus on the reading and discussion of works by selected French and francophone women authors from the twelfth through the twentieth centuries. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0406	Topics in French Literature Pre-1700	AS	3		A single-century or transhistoric survey of French literature spanning anywhere from the medieval period up through the seventeenth-century, or a treatment of specific topics within this range of time. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0407	Topics Francophone Literatures	AS	3		An introductory or advanced survey or topics course in Francophone literatures. A student may repeat this course to a maximum of 9 credit hours. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0409	French Literature (Consortium)	AS	1	5	French Civilization and Literature I or II offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0429	French Culture (Consortium)	AS	1	5	French Cinema offered by MSU, MSSU, MWSU, SEMO, or UCMO. Syllabus and delivery platform (ITV, hybrid, or online) vary depending on the offering university. Prerequisite: FREN 204 or equivalent level of proficiency.	D - Demand
FREN	0430	French Translation	AS	3		The course will introduce students to both the theoretical and practical aspects of translation. Practice will be given in a variety of genres and will emphasize dynamic accuracy in form and meaning of French to English translation. Prerequisite: FREN 204 and ENG 102 or the equivalent level of proficiency in both languages.	D - Demand
FREN	0491	Internship in French	AS	1	8	Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.	D - Demand
FREN	0498	Advanced Topics in French	AS	1	8	Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.	D - Demand
FREN	0499	Independent Study in French	AS	1	3	Individual directed study in selected areas for advanced majors in French. Prerequisites: A minimum of 90 hours – 18 of which must be in French – with a cumulative GPA of 3.0. The proposed study must be approved by instructor, advisor, department head, and school dean prior to student enrollment.	F - Fall S - Spring
GB	0298	Topics in General Business	BA	1	8	Special topics in General Business. Topics to be announced each time the course is offered.	D - Demand
GB	0301	Legal Environment of Business I	BA	3		Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, a brief overview of criminal law and tort law, contracts, personal property and bailments, sales, commercial paper and secured transactions. Special emphasis on Missouri case-law and statutes. Lectures supported by actual case decisions and case digests.	F - Fall S - Spring
GB	0302	Legal Environment of Business II	BA	3		Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes consumer protection, government control and regulation, insurance, bankruptcy, intellectual property, agency and employment, business organizations, real property, and estates. Prerequisite: Junior standing.	F - Fall
GB	0320	Business Communication	BA	3		Principles of writing effective business messages to communicate effectively in the business environment. Emphasis on contemporary issues and the employment process. Prerequisites: ENG 101 and 102 or ENG 111 or permission of instructor.	F - Fall S - Spring SU - Summer
GB	0321	Business Statistics I	BA	3		Methods of collection, analysis, interpretation, and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures, and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisites: Math 129, 130, or higher and MM 237.	F - Fall S - Spring SU - Summer
GB	0322	Business Statistics II	BA	3		Methods of statistical analysis relating to business decision-making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, multiple regression, non-parametric tests of hypotheses, and other selected statistical techniques. Computer statistical packages (and	S - Spring

						spreadsheet packages) will be utilized in analysis of problems. Prerequisite: GB 321.	
GB	0405	Statistical Quality Control	BA	3		Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling, and service quality. Students will be encouraged to use spreadsheets to solve SPC problems. Prerequisite: GB 321 or consent of instructor.	S - Spring
GB	0412	Implementing Business Education Programs	BA	3		This course includes a study of teaching techniques and devices, organization and development of curriculum, testing and measurements, funding, special populations, integrating academics, business/education partnerships and multicultural activities. Special emphasis is given to innovations, systems and developments in business and education. For business education majors only. Taught online through the Missouri Alliance for Collaborative Education (MACE) with Northwest Missouri State University, University of Central Missouri, and Southeast Missouri State University. Must see Business Education Advisor before enrolling.	F - Fall S - Spring SU - Summer
GB	0422	Coordination of Coop Education	BA	3		This course is a study of principles and techniques used in coordinating work experiences for student learners. Included is a study of methods and materials, work site selection, placement, evaluation, and student follow-up. For business education majors only. Taught online through the Missouri Alliance for Collaborative Education (MACE) with Northwest State University and University of Central Missouri. Must see Business Education Advisor before enrolling.	D - Demand
GB	0491	Internship in General Business	BA	1	6	An internship for senior General Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA, and department approval. Repeatable up to six credit hours.	D - Demand
GB	0498	Advanced Topics in General Business	BA	1	3	Special topics in General Business. For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation, and human relations.	D - Demand
GB	0499	Independent Study in General Business	BA	1	6	Individually directed readings, research, and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration, and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA. Repeatable up to six credit hours.	D - Demand
GEOG	0101	Introduction to Geography	AS	3		An introduction to geography, with the goal of increasing geographic literacy and recognizing the importance of geography in everyday life. This course introduces students to the discipline and its basic principles, as well as its major concepts, tools, techniques, and methodological approaches. This includes examinations of human-environment interactions, patterns of population distribution, maps and map interpretation, and discussions of fundamentals topics in geography including physical, urban, political, cultural, and natural resource geography.	D - Demand
GEOG	0111	World Regional Geography	AS	3		Survey of the peoples of the earth and how their activities are influenced by climate, topography, natural resources, and culture with class time devoted to discussion of important topical areas in each region. MOTR: GEOG 101	F - Fall S - Spring
GEOG	0120	Introduction to Physical Geography	AS	3		A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of land-form development, bio-geography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. Prerequisites: MATH 20 or higher math or ACT of 19 or higher MOTR: GEOG 100.	F - Fall S - Spring
GEOG	0201	Physical Geography	AS	4		Study of the physical aspects of the human environment with emphasis on landform development, oceanographic features, climate variation, and human impacts on the planet's geography. Three hours of lecture, one hour of lab. Prerequisite: MATH 30 or higher level mathematics or Math ACT of 22 or higher. MOTR: GEOG 100L	F - Fall S - Spring
GEOG	0298	Topics in Geography	AS	1	4	Study and analysis of a selected topic in Geography.	D - Demand
GEOG	0301	GIS for Social Sciences	AS	3		The goal of this course is to introduce students to mapping as it is used to engage the spatial aspects of society, culture, and politics. Students will participate in all aspects of a GIS project. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital maps. Prerequisites: junior standing or consent of instructor.	F - Fall
GEOG	0302	Environment and Society	AS	3		An examination of environmental problems in the context of human societies from different regions of the world with a focus on their scientific bases, causes, and potential solutions. Prerequisites: junior standing or consent of instructor. Cross-listed as INTS 302.	D - Demand
GEOG	0304	Introduction to Geographic Information Systems	AS	3		Geographic Information Systems, GIS, involves the study of spatial (geographic) location of features on the Earth's surface and the relationships between them. The goal of this course is to introduce students to the principles of cartography and GIS as they are used to analyze spatial aspects of society and the human and physical environments. Particular attention will be focused on ecology, environmental health, and related fields Prerequisite: Junior Standing or consent of instructor. Cross-listed as BIO 304 and EH 304.	D - Demand

GEOG	0310	Human Geography	AS	3		This course focuses on spatial approaches to understanding the ongoing organization and reorganization of human cultural, economic, political, and urban activities at various spatial scales, such as the local context, regional context, and the international context. Prerequisite: Junior standing or consent of instructor.	D - Demand
GEOG	0311	Geopolitics: Power and Conflict in a Global Context	AS	3		Geographic factors that have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings, and other factors that may contribute to unity or disunity. Prerequisite: Junior Standing.	D - Demand
GEOG	0382	Geography of Europe	AS	3		An examination of the geography of Europe, including its cultural and physical realms, with a focus on the languages, religions, politics, urban centers, economies, and unique environments that characterize the region. Cross-listed as INTS 382. Prerequisites: junior standing or consent of instructor; recommended GEOG 111.	D - Demand
GEOG	0404	Applications in Geographic Information Systems	AS	3		The goal of this course is to allow students to apply skills in spatial analysis to problems in social, physical, ecological, environmental health, and related areas of the social and natural sciences. Students will engage in all aspects of a GIS project with emphasis placed on employing various techniques of spatial statistics. Skills learned will range from GIS project design and data collection to the production of a written deliverable, complete with a series of digital map(s). Prerequisite: BIO/EH/GEOG 304 or consent of instructor. Cross-listed as BIO 404 and EH 404.	D - Demand
GEOG	0410	Natural Hazards and Disasters	AS	3		This course focuses on the geologic and atmospheric forces that give rise to environmental disasters and the ways in which societies adapt to hazardous conditions. Specific focus will be given to how societies recover from crisis and disaster both in the short and long terms along with an examination of the conditions that lead to vulnerability to disasters and disaster risk assessment. Prerequisite: Junior Standing or Consent of Instructor.	SE - Spring-Even
GEOG	0422	Geography of the United States	AS	3		Geographic analysis of the United States with emphasis on regional variations in social, economic, and physical phenomena and how those variations influence the overall national character of the United States. Prerequisite: Junior Standing or GEOG 101 or GEOG 211 or consent of instructor.	D - Demand
GEOG	0457	Urban Geography	AS	3		Analysis of the characteristic pattern of urban space, spatial organization of urban settlement, and urban societies. Prerequisite: Junior standing.	D - Demand
GEOG	0490	Senior Capstone	AS	1		For senior geography majors. As summative component of the degree, this course requires students to reflect and revise previous writing, write a substantial senior paper in geography with the guidance of an advisor, and meet weekly with other geography majors to discuss important, current developments in geography and related cognate disciplines. In addition, students will be provided with opportunities to work with faculty in order to define and achieve career goals in geography. Prerequisites: PSC/SOC 401 and senior standing major in geography.	F - Fall S - Spring
GEOG	0491	Internship in Geography	AS	1	3	Extensive off-campus experience providing opportunity for students to gain hands-on practice working with local governmental agencies and non-profits assisting in collecting, administering, and presenting a variety of spatial data. Site supervisor(s) will develop a contractual agreement(s) that provides specific learning experiences for the internship. Prerequisites: approval of department chair and/or faculty supervisor and grade of "C" or better in GEOG 101 plus 6 additional hours of Geography, 3 of which may be taken concurrently with the internship.	D - Demand
GEOG	0498	Advanced Topics in Geography	AS	1	4	Study and analysis of a selected topic in Geography. Prerequisite: Will be based on course demands as determined by instructor in consultation with the Department Chair. At the minimum GEOG 498 will require 3 hours of Geography and junior standing or consent of instructor.	D - Demand
GEOG	0499	Independent Study	AS	1	3	For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The individualized project will be directed by an instructor/adviser from the geography faculty in consultation with the student. Repeatable up to six credit hours.	D - Demand
GEOL	0120	Introduction to Geology	AS	4		Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, one three-hr. lab per week. Prerequisite: MATH 30 or higher level math or Math ACT of 22 or higher. MOTR: GEOL 100L	F - Fall S - Spring
GEOL	0185	Introduction to Meteorology	AS	4		Fundamentals of the circulation of the atmosphere, sequence of weather events, weather forecasting, and severe weather. Includes interpretation of weather maps. Three lectures and one two-hour laboratory per week. Prerequisite: MATH 30 or higher level math or math ACT of 22 or higher.	SE - Spring-Even
GEOL	0202	Map and Photo Interpretation	AS	1		An introduction to the interpretation of topographic maps, aerial photos, and satellite images. One three-hour laboratory per week. Designed to complement GEOL 201. Prerequisite: GEOL 201 or equivalent, may be taken concurrently. Students may not receive credit for both GEOL 120 and GEOL 202.	D - Demand
GEOL	0211	Fundamentals of Earth and Space Science	AS	4		Materials of the earth, geologic features and landscapes of the earth's surface in relation to the processes producing them; interrelationships between geologic processes and the earth's atmosphere and oceans; geologic description of the solar system; basic concepts in astronomy and meteorology. Laboratory study of rocks and minerals, landscape features as revealed in maps and stereo photos, weather maps, and data, astronomical observations and earth-sun-solar system interrelationships. One-day field trips and some night-time astronomical observations may be required. This course is designed primarily for students specializing in elementary	F - Fall S - Spring SU - Summer

						education. Prerequisite: PHYS 120 or PHYS 121, or consent of instructor. Three lectures and one 3-hr laboratory per week.	
GEOL	0298	Topics in Geology	AS	1	3	Special Topics in geology not normally offered in other courses. Prerequisites to be determined by department.	D - Demand
GEOL	0300	Environmental Geology	AS	3		An introduction to our relationship to the earth's environment. The limitations of natural resources and discussion of consequences of the exploitation of natural resources are considered along with the demands of humanity upon the environment. Overview of natural environmental hazards, including volcanoes, earthquakes, subsidence landslides, floods, and asteroid impacts. Prerequisite: Five credits in physical science, physics, and/or chemistry. (Cross listed EH 300.)	D - Demand
GEOL	0310	Introduction to Geophysics	AS	4		Geophysics is the application of physical principles (Physics and Mathematics) to the study of the Earth's structure, phenomenon and process. Applications of geophysical methods include the determination of subsurface stratigraphy and soil properties, characterization of groundwater flow and storage, the identification and tracing of hazardous substances and contaminants in the subsurface, the detection of buried objects and unexploded ordinance, the characterization of soil and bedrock properties for stability, and the exploration of the subsurface for valuable mineral and energy resources. Subjects covered will include: data processing, seismology, seismic reflection, Ground Penetrating Radar, seismic refraction, gravity, and electrical methods. Laboratories will reinforce topics covered in lectures and many will utilize computers. Some laboratories will involve traveling to local field sites and using field geophysical equipment to gather and process and interpret our own data. Three lectures and one 3-hour laboratory per week. Prerequisites: GEOL 120 or 210, MATH 140 or higher level math, PHYS 270, or permission of instructor. Note: PHYS 270 may be taken concurrently with this course.	SO - Spring-Odd
GEOL	0320	Historical Geology	AS	4		A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three lectures, one two-hour lab per week. Prerequisites: GEOL 120 and either BIO 101 or higher level Biology course.	D - Demand
GEOL	0491	Internship in Geology	AS	1	3	In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied geology in which on-the-job experience would be beneficial to the student's training. Prerequisites: Junior standing in chemistry, physics, biology, or pre-engineering or by permission.	D - Demand
GEOL	0498	Advanced Topics in Geology	AS	1	3	In depth study of the geology of a particular region or system of regions through classroom sessions and/or field trips. Extended field trips will require a special lab charge and, in some cases, special physical conditioning or training. The region or area of interest varies from year to year. Prerequisites: GEOL 320 and/or consent of the instructor.	D - Demand
GEOL	0499	Geology Field Studies	AS	1	3	Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: 3 hours of Physical Science or permission of instructor.	D - Demand
GOLD	0101	Intro to Tactical Leadership	MI	2		Introduce students to the personal challenges and competencies that are critical for effective leadership. Students learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Overview of leadership fundamentals such as setting direction, problem solving, presenting briefs, providing feedback, and using effective writing skills.	S - Spring
GOLD	0120	Military Fitness I Spring	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	S - Spring
GOLD	0201	Innovative Team Leadership	MI	2		Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and leadership theories that form the basis of Army Leadership framework. Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in Leadership Labs. Focused on a continued knowledge of leadership values and attributes through the understanding of Army rank, structure, and duties and basic aspects of land navigation and squad tactics. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 101 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).	F - Fall



GOLD	0202	Found of Tactical Leadership	MI	2		Examine the challenges of leading teams in the complex Contemporary Operating Environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of Army Leadership framework explores adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Contemporary Operating Environment studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 101, GOLD 201 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).	S - Spring
GOLD	0210	Military Fitness II Fall	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	F - Fall
GOLD	0220	Military Fitness II Spring	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	S - Spring
GOLD	0298	Topics in Military Science	MI	3		Designed to give instruction in some area of Military Science not covered in other courses. Course provides a study of Military Leadership through a focused analysis of a particular military leader, using the Army Leadership Requirements Model, assigned readings, forum discussions and a final paper. The topic or area of interest varies from year to year. Prerequisites: GOLD 101 and/or consent of the instructor.	D - Demand
GOLD	0301	Adaptive Team Leadership	MI	2		Challenges students to study, practice, and evaluate adaptive leadership skills they are presented with the demands of preparing for Officer Candidate School and commissioning. Challenging scenarios related to small unit tactics are used to develop self awareness and critical thinking skills. Students receive systematic and specific feedback on their leadership abilities. Primary attention is given to leadership values, attributes, skills, and actions. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 201, GOLD 202 or Experiential Learning credit (Current National Guard or previous active duty may qualify for experiential learning).	F - Fall
GOLD	0302	Leadership in Changing Environ	MI	2		This course uses increasingly intense situational leadership challenges to build student awareness and skills in leading tactical operations. Having learned squad-level tactics in GOLD 301, students learn to lead up to Platoon Level. Students review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating, and developing skills in decision making, persuading, and motivating team members in the Contemporary Operating Environment. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 201, GOLD 202, GOLD 301 or Experiential Learning Credit.	S - Spring
GOLD	0310	Military Fitness III Fall	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	F - Fall
GOLD	0320	Military Fitness III Spring	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	S - Spring
GOLD	0401	Developing Adaptive Leaders	MI	2		Develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Students are given situational opportunities to assess risk, make ethical decisions, and provide coaching to GOLD students. Students are measured by their ability to give and receive systematic and specific feedback on leadership abilities. Attention is given to preparation for Platoon Leaders and branch-specific leadership abilities. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 301, GOLD 302.	F - Fall
GOLD	0402	Leadership in a Complex World	MI	2		Explore the dynamics of leading in a complex situation of current military operations in the Contemporary Operating Environment. Students examine differences in customs, courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Students also explore aspects of interacting with nongovernmental agencies, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing students for their first unit assignment Second Lieutenants. Two hours of lecture weekly with required drills and field experiences. Pre-requisite GOLD 301, GOLD 302, GOLD 401.	S - Spring
GOLD	0410	Military Fitness IV Fall	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	F - Fall
GOLD	0420	Military Fitness IV Spring	MI	1		Introduce students to personal challenges through the Army Physical Readiness Training program. Students learn how to conduct military physical fitness training through organized instructor-led training. This is a one hour of lab meeting MWF morning from 0600-0700.	S - Spring
GOLD	0491	Internship in Military Science	MI	1	3	In conference with an internship committee one half of a semester in advance, the student shall select to work and observe in any area of applied leadership in which on-the-job experience would be beneficial to the student's training. Prerequisites: GOLD 101, junior or senior, and/or consent of the instructor. Course can be repeated up to six credit hours. Student will complete 120 work hours with assigned position for 3 academic credit hours.	D - Demand

GOLD	0498	Adv Topics in Military Science	MI	3		Designed to give advanced instruction in some area of Military Science not covered in other courses. Course provides a study of Military Leadership through a focused analysis of a particular military leader, using the Army Leadership Requirements Model, assigned readings, forum discussions and a final paper. The topic or area of interest varies from year to year. Prerequisites: GOLD 101, GOLD 201, GOLD 202 and GOLD 298 and/or consent of the instructor.	D - Demand
GOLD	0499	Independent Study Mil Science	MI	1	3	Study and research by the student under the direction and supervision of instructor/advisor with prior approval by department chair and school dean. Prerequisites: GOLD 101, junior or senior status and/or consent of instructor. Repeatable up to six credit hours.	D - Demand
HIST	0110	United States History 1492-1877	AS	3		Survey of the United States from colonial times to 1877. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher. MOTR: HIST 101	F - Fall S - Spring
HIST	0120	United States History 1877 to Present	AS	3		Survey of the economic, social, and political development of the United States from 1877 to the present. Meets the General Education requirement for all majors. Prerequisite: 17 or higher on the ACT Reading section or 15 hours completed with a GPA of 2.5 or higher. MOTR: HIST 102	F - Fall S - Spring
HIST	0130	Western Civilization to 1660	AS	3		Survey of the development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression, and daily life in the ancient Near East, Greece, Rome, and Christian Europe. MOTR: WCIV 101	F - Fall S - Spring
HIST	0140	Western Civilization since 1660	AS	3		Survey of Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions, and two world wars. MOTR: WCIV 102	F - Fall S - Spring
HIST	0150	Asian Civilizations	AS	3		Introductory survey of the history and culture of traditional and modern Asia, focusing on the distinctive culture areas of monsoonal Asia, i.e., South, Southeast, and East Asia. Some attention will also be given to Asian culture areas outside this zone.	F - Fall
HIST	0160	History of Latin America	AS	3		Historical overview of Latin America, from the Spanish and Portuguese to the present day, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian and African background of Latin American history and the ways in which these groups helped shape Latin American society. Topics covered will include the conquest of Latin America, Spanish administration, the independence movements of the nineteenth century, nation building, and revolutionary movements of the twentieth century.	F - Fall
HIST	0180	Modern Global History; 1450-Present	AS	3		Developments within the major world civilizations over the last six hundred years, with a special focus on the ways in which different world regions have come into contact with one another. Important topics include changes in the global balance of power, the impact of new technologies, changes in political and religious outlook, the impact of revolutions & world wars, movement and exchange of human populations, and the diffusion and exchange of biological species. MOTR: HIST 202	F - Fall
HIST	0201	Introduction to Historical Research	AS	3		A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: HIST 110 or 120 or 130 or 140.	F - Fall S - Spring
HIST	0202	Introduction to Public History	AS	3		This course provides an introduction to the ways history is conceptualized and presented outside of the classroom: in libraries, museums, national parks, theme parks, films, and on the internet. Special emphases will include an introduction to the various professions of the field, the historical thought-processes required to interpret the past for the public, and the unique challenges public historians face as they balance competing debates about how the past should be preserved and remembered. Prerequisite: any 100 level History course.	FO - Fall-Odd
HIST	0298	Topics in History	AS	3		Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.	D - Demand
HIST	0301	Food Culture and Exchange in World History	AS	3		An examination of how changes in methods of procuring, producing, distributing, and consuming food have shaped world history. Special emphases include: how the need for food has shaped societies, how new foods have transformed societies and relations between societies, how foodways change over time, and how new eating choices impact society. Prerequisite: Any History course at the 100-level.	FE - Fall-Even
HIST	0303	Contemporary World Civilizations	AS	3		A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of international studies majors; open to all others. Prerequisite: 3 hours of history.	S - Spring
HIST	0310	United States Social and Intellectual History	AS	3		Covers selected topics of social and cultural importance in early and modern American History, including (but not limited to) religious history, visual cultural, political culture, labor movements, sports, mass consumption, and intellectual and social movements. The specific content of this course will vary from semester to semester. Prerequisite: HIST 110 or HIST 120.	D - Demand
HIST	0313	East Asian Civilizations I	AS	3		Survey of the history of pre-modern East Asia to 1600, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the development of East Asian cultures, societies, and political structures and will use a comparative analysis in seeking to understand the history of the region. Prerequisite: HIST 150.	D - Demand

HIST	0314	East Asian Civilizations II	AS	3	Survey of the history of modern East Asia from 1600, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the impact of the West and the problems of modern development, using a comparative analysis in seeking to understand the history of the region. Prerequisite: HIST 150.	D - Demand
HIST	0316	South Asian Civilizations	AS	3	Survey of the history of South Asia from prehistoric times to the present. Course will emphasize the development of South Asian cultures, societies, and political structures. Prerequisite: HIST 150.	D - Demand
HIST	0320	The Civil Rights Era	AS	3	A study of the African-American struggle for civil rights. While surveying the period from the end of Reconstruction to the present day, this course will focus primarily on events from 1954-1968. Prerequisite: HIST 120.	D - Demand
HIST	0325	The American West	AS	3	Explores the conquest of the American West by Spanish, French, and American settlers and its effects on the native inhabitants of the region. The development of the mythic west will also be examined. Prerequisite: HIST 110 or 120.	D - Demand
HIST	0330	History of the American Indians	AS	3	A Survey of the social, political, diplomatic, military, and legal history of Native American society. Prerequisite: HIST 110 or 120.	D - Demand
HIST	0332	The Great Depression & World War II	AS	3	An in-depth study of the American experience during the Great Depression and World War II. Prerequisite: HIST 120.	SE - Spring-Even
HIST	0342	Latin American Revolutions	AS	3	Latin American Revolutions addresses the causes and consequences of 20th century uprisings in Bolivia, Mexico, Cuba, Guatemala, Nicaragua, El Salvador, Chile, and Columbia. Emphasis will be placed on the tactics and personalities of revolutionary leaders as well as the needs and reactions of their supporters. Prerequisite: HIST 160.	D - Demand
HIST	0343	The U.S. and the Cold War	AS	3	A study of the 20th century struggle for global influence between the United States and the Soviet Union. Prerequisite: HIST 120.	FE - Fall-Even
HIST	0344	America in Vietnam	AS	3	A political, diplomatic, military, and social study of the U.S. involvement in Vietnam from 1945 to 1975. Prerequisite: HIST 120.	SO - Spring-Odd
HIST	0345	Age of Jefferson and Jackson	AS	3	Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends, and the rise of nationalism. Prerequisite: HIST 110 or 120.	FE - Fall-Even
HIST	0350	Civil War and Reconstruction	AS	3	Causes of the Civil War, slavery, and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era. Prerequisite: HIST 110 or 120.	SO - Spring-Odd
HIST	0360	History of Missouri	AS	3	Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional, and social development. Prerequisite: HIST 110 or 120.	D - Demand
HIST	0365	Colonial North America	AS	3	Discovery, conquest, and development from 1492-1781. The imperial struggles between Spain, France, England, and various Native Americans will be emphasized, along with the social, cultural, and economic growth of the European colonies. Prerequisite: HIST 110 or 120.	D - Demand
HIST	0369	Nineteenth Century Europe	AS	3	A survey of the major alterations of European society during the twentieth century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism, and individual national events. HIST 130 or 140 recommended before taking this class.	D - Demand
HIST	0370	Twentieth Century Europe	AS	3	A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems, and current European/world problems. HIST 130 or 140 recommended before taking this class.	D - Demand
HIST	0371	The Holocaust	AS	3	An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political, and scientific context of the Holocaust. Special attention to European anti-Semitism, the rise of German Nazism, the development of a policy of mass murder, and the operation of ghettos and death camps. HIST 130 or 140 recommended before taking this class.	D - Demand
HIST	0373	Women in U.S. History	AS	3	Selected topics in the historical experience of American women from the colonial period to the modern era. Prerequisite: HIST 110 or 120.	FO - Fall-Odd
HIST	0375	English History to 1660	AS	3	The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon, Scandinavian, and Norman invasions, the changing roles of monarchy and parliament, changes in England's relations with other parts of the British Isles and with Europe, and life among various social classes. Prerequisite: HIST: 130 or 140.	D - Demand
HIST	0380	British History Since 1660	AS	3	British peoples and institutions from the Restoration to the present. Emphasis on the development of Parliamentary government, the rise and fall of the world's first industrial economy, life among various social classes, and changes in Britain's role as a European and global power. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0387	History of Russia to 1796	AS	3	History of Russia from pre-Tsarist times through the reign of Catherine the Great. Emphasis on the land and the people, national characteristics, and political institutions. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0388	History of Russia Since 1796	AS	3	Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism, and the structural weaknesses and events contributing to the collapse of the Soviet Union. Prerequisite: HIST 130 or 140.	SE - Spring-Even
HIST	0390	History of Germany	AS	3	Social, political, military, and economic history of Germany, with major concentration on the post-1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich, and post World War II. HIST 130 or 140 recommended before taking this class.	D - Demand
HIST	0405	The Gilded Age and Progressive Era	AS	3	A survey of United States history from the end of Reconstruction through the 1920s.	D - Demand

HIST	0410	The United States 1945-Present	AS	3		Selected topics in the United States history between 1945 and the end of the twentieth century. Prerequisite: HIST 120.	D - Demand
HIST	0415	African American History and Culture	AS	3		Understanding African American history is indispensable for understanding American history. This is true because African Americans have made extraordinary contributions to American culture and society, including but not limited to, social movements to achieve full participation in that society.	F - Fall
HIST	0425	The Renaissance and the Reformation 1350-1559	AS	3		An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies, and the impact of economic change on daily life. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0435	The Era of the French Revolution and Napoleon	AS	3		An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic, and empire. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0440	European Intellectual History	AS	3		Intellectual, cultural, and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms, and existentialism. HIST 130 or 140 recommended before taking this course.	D - Demand
HIST	0474	Colonial Latin America	AS	3		Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor, and the independence movements of the 19th century. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0475	Modern Latin America	AS	3		Historical overview of Latin America since independence, examining major themes, events, and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt, and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society, and the Church. Prerequisite: HIST 130 or 140.	D - Demand
HIST	0480	Public Perceptions of the Past	AS	3		Covers selected topics in the way the past is remembered and interpreted by the modern public. Students will learn how various factors, such as nationalism, regionalism, political culture, debates over public education, and other contemporary events shape the way publics remember the past and use it to facilitate the creation of their community identity. HIST 202 is recommended before taking this class. Prerequisites: Any 100 level HIST course or consent of instructor.	D - Demand
HIST	0483	Archival Collections & Methods	AS	3		Covers Archival History and Theory and different types of collections. Students will learn archival procedures and techniques and how they are used in different collection repositories. Prerequisites: History 201 or 202.	S - Spring
HIST	0491	Internship in History	AS	1	8	Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval. Repeatable up to eight credit hours.	D - Demand
HIST	0497	Seminar in Historical Research	AS	3		Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate, and present new areas of knowledge. Prerequisite: Junior standing, HIST 201, ENG 102, and 6 hours upper-division history.	F - Fall
HIST	0498	Advanced Topics in History	AS	3		Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate, and present new areas of knowledge. Prerequisite: Junior or Senior status.	D - Demand
HIST	0499	Independent Study	AS	1	3	Individualized project directed by the instructor/adviser with approval of department head, and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required. Repeatable up to six credit hours.	D - Demand
HIST	6142	Am. Foreign Policy 20th Cent.	AS	3	5		
HIST	6143	Rdgs in Transnational Hist	AS	3	5		
HNRS	0101	Honors Forum	MI	2		An open and interdisciplinary forum to introduce first-year Honors students to the principles and practices of scholarly inquiry and active learning. Students will read a variety of texts concerning personal and academic challenges inherent in a college environment. In doing so, they will define themselves both as students and as individuals while becoming active participants in the MSSU community and as citizens of a twenty-first century global community.	F - Fall S - Spring
HNRS	0201	Service Learning	MI	1	4	By engaging the Honors Scholar as a volunteer in an unfamiliar, public service-oriented institution, this course experience is designed to expose the student to the concepts of self and cognitive awareness and to lead the student through a critical analysis of the dominant paradigms of thought encountered during the service.	F - Fall S - Spring
HNRS	0298	Special Topics	MI	1	3	An interdisciplinary Honors course. Topics to be announced each time the course is offered and approved by the Honors Director. Emphasis on discussion, group activities and projects. Prerequisite: HNRS 101.	D - Demand

HNRS	0400	Research Seminar	MI	3		Introduces Honors students to a wide range of research practices and methodologies in order to prepare them for their senior thesis projects. Students will be exposed to the language of research; ethical principles and challenges; the elements of the research process; research design; and a combination of quantitative, qualitative, and mixed methods approaches. Prerequisites: sophomore standing, good standing in the MSSU Honors Program.	F - Fall S - Spring
HNRS	0490	Honors Thesis	MI	1		Students will meet regularly with Honor Program faculty to assess their progress toward completing their Honors thesis projects and meeting the terms of the Honors contract they signed with their faculty mentor. Prerequisites: junior or senior standing, good standing in the MSSU Honors Program..	F - Fall S - Spring
HNRS	0495	Honors Seminar	MI	3		Intensive seminar course for upper-division Honors students, culminating in a substantial research paper. Topics to be announced each time the course is offered and approved by Honors Director. Prerequisite: HNRS 101 and 201. Honors 495 may be repeated once for credit when topic varies.	D - Demand F - Fall S - Spring
HNRS	0498	Advanced Special Topics	MI	1	3	An Honors course for upper-division Honors students. Topics to be announced each time the course is offered. Prerequisite: Honors 101 and Honors 201.	D - Demand
HNRS	0499	Independent Study	MI	1	3	Course structured by the instructor with approval of the Director of the Honors Program. Prerequisite: member in good standing of the Honors Program. Registration must be approved by the student's advisor, department head, and school dean.	F - Fall S - Spring SU - Summer
HS	0101	Introduction to Health Professions	HS	1		An introductory course to inform students contemplating a career in health care on the issues affecting the delivery of healthcare, the roles of various members of the health care system, and the educational and licensure requirements. One hour lecture.	F - Fall S - Spring
HS	0102	CPR/AED Training	HS	1		Designed to teach students how and when to provide cardiopulmonary resuscitation (CPR), and automated external defibrillation (AED) in safe, timely, and effective manner. Content presented in this course will follow American Heart Association Guidelines. Prerequisite: none.	F - Fall S - Spring SU - Summer
HS	0103	First Aid CPR/AED Training	HS	1		Designed to teach students how and when to provide first aid, cardiopulmonary resuscitation (CPR), and automated external defibrillation (AED) in safe, timely, and effective manner. Content presented in this course will follow American Heart Association guidelines. Prerequisite: none.	F - Fall S - Spring SU - Summer
HS	0104	Advanced Cardiac Life Support	HS	1		ACLS builds on the foundation of lifesaving basic life support (BLS) skills, emphasizing the importance of continuous, high-quality CPR. This advanced course highlights the importance of high-performance team dynamics and communications, systems of care, recognition and intervention of cardiopulmonary arrest, immediate post-cardiac arrest, acute dysrhythmia, stroke, and acute coronary syndromes (ACS). Content provided in this course will follow American Heart Association guidelines. Prerequisite: HS 102 or HS 103 or current AHA BLS card.	F - Fall S - Spring SU - Summer
HS	0105	Pediatric Advanced Life Support	HS	1		The goal of the PALS course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcomes. The PALS course uses a series of videos and simulated pediatric emergencies to reinforce the important concepts of a systematic approach to pediatric assessment, basic life support, PALS treatment algorithms, effective resuscitation, and team dynamics. Curriculum in this course will follow American Heart Association guidelines. Prerequisite: HS 102 or HS 103 or current AHA BLS card.	F - Fall S - Spring SU - Summer
HS	0106	Trauma Life Support	HS	1		Traumatic injuries make up a considerable number of health care situations. This course is designed in a lecture, skill and scenario with the intent of the students to gain knowledge, understanding, practical skills and critical thinking opportunities to utilize the information learned in practical applications. Prerequisite: EMS department approval required and HS 102 or HS 103 or current CPR.	F - Fall S - Spring SU - Summer
HS	0107	Pediatric Education for Pre-hospital Professionals	HS	1		Comprehensive training course designed to provide the foundational education, skills and confidence to efficiently and effectively care for the pediatric patients in the pre-hospital setting. Prerequisites: EMS department approval required and HS 102 or HS 103 or current CPR.	F - Fall S - Spring SU - Summer
HS	0108	Advanced Medical Life Support	HS	1		Designed to teach students to manage the most common pre-hospital medical conditions by offering a systematic. "Think outside of the box" methodology. By offering a differential diagnosis based assessment provides providers a more diagnostic based approach to quickly develop the most appropriate treatment plans. Prerequisite: EMS department approval required, HS 104, and HS 102 or HS 103.	F - Fall S - Spring SU - Summer
HS	0109	Advanced Cardiac Life Support for Experienced Providers	HS	1		The goal of the classroom-based, instructor-led ACLS EP course is to improve outcomes in complex cardiovascular, respiratory, and other emergencies (e.g., metabolic or toxicologic) by expanding on core ACLS guidelines and encouraging critical thinking and decision-making strategies. Through instruction and active participation in case-based scenarios, learners enhance their skills in the differential diagnosis and treatment of pre-arrest, arrest, and post-arrest patients. The ACLS EP course is intended for those who must respond to cardiovascular emergencies and special resuscitation situations in the workplace, and who are mandated to have the highest level of training in order to perform their jobs. Prerequisites: EMS department approval required and HS 104 and HS 102 or HS 103 or current AHA ACLS card.	F - Fall S - Spring SU - Summer
HS	0111	Medical Terminology	HS	3		The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical diseases and surgical terms is included. This particular course is recommended for pre-radiology students. Three hours lecture per week. Cross-listed as RAD 111.	F - Fall S - Spring SU - Summer



HS	0112	Introduction to Electrocardiography (ECG) Interpretation	HS	1	The goal of the classroom-based, instructor-led ECG course is to improve outcomes in complex cardiovascular emergencies through the understanding of ECG's what an ECG means in actual cardiovascular function and encouraging critical thinking and decision-making strategies. This course is intended for those who must respond to cardiovascular emergencies and special resuscitation situations in the workplace, and who are mandated to have the highest level of training in order to perform their jobs. Prerequisites: EMS department approval required and HS 102 or HS 103 or AHA/Red Cross CPR.	F - Fall S - Spring SU - Summer
HS	0210	Success in Health Profession Programs	HS	1	This is an introductory course to assist students in preparing to be successful in one of the health profession majors. The course will help students develop their critical thinking, problem solving and the test taking skills necessary to succeed in these programs. Students learn to assess their own character and skills in preparation for entering a health career program.	S - Spring SU - Summer
HS	0305	Intercultural Communication	HS	3	Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: COMM 100. Cross-listed as COMM 305.	F - Fall S - Spring SU - Summer
HS	0310	The Patient Experience	HS	2	This course is a study of the patient experience in healthcare. It examines the role of healthcare workers and organizations in creating the experience, interactions between healthcare workers and patients involved in the experience, patient perceptions of the experience, and the importance of the patient experience across the continuum of healthcare. Prerequisite: Junior or Senior standing.	F - Fall
HS	0312	Biomedical Ethics	HS	3	A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation. Prerequisites: ENG 101 and 102 or ENG 111. Cross-listed as PHIL 312.	F - Fall S - Spring SU - Summer
HS	0315	Managed Care/Population Health	HS	2	This course presents the concepts of Population Health and Managed Care. The shifting healthcare model in the United States is explored. The expected changes and outcomes associated with a community-based healthcare model focused on managing health in a population as opposed to treating illness is presented. The course is intended to: 1. Provide the student with knowledge and vision to understand the changing direction of healthcare in the United States, 2. Enable the student to understand opportunities and challenges for new "Managed Care" and "Population Health" concepts, of the future, and 3. Motivate the student to develop and explore opinions, ideas, and strategies for success in a shifting healthcare environment.	F - Fall
HS	0340	Theory & Practice Teaching Health Science	HS	3	Provide the methodological basis for making pedagogical decisions concerning lesson design and presentation. Microteaching provides an opportunity to practice methods and techniques for teaching. Short teaching episodes are prepared, taught, and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline.	D - Demand
HS	0350	Fundamentals of Organizational Management	HS	3	A study of the fundamentals and functions of organizational management including planning, decision making, organization, leading, and controlling from individual and group behavior perspectives. Prerequisites: Junior standing and ENG 101/102 or equivalent. Cross-listed as MGMT 350.	F - Fall S - Spring SU - Summer
HS	0355	Healthcare Quality Management	HS	2	This course is a study of the application of standard quality management philosophies, methods, and tools in healthcare, to improve healthcare outcomes and patient safety. Prerequisites: MGMT 0354 and Junior or Senior standing.	S - Spring
HS	0365	Health Communication	HS	3	The field and study of health communication is vast and at times ambiguous. This course will examine the multitude and dimensions of what is health communication and provide students with the opportunity to define health communication. A review of health communication through an examination of theoretical frameworks, communication techniques and technologies that promote the health of individuals, communities, and populations will be used to provide students with a working knowledge of the importance and influence of communicating health. Additionally, this course will look at how health messages are created and how they influence us as they appear in our lives, from media as well as from relationships with others, both personal and otherwise. Prerequisite: COMM 100 Cross-listed as COMM 365.	F - Fall
HS	0370	Environmental Health and Safety	HS	3	A survey of environmental health and safety issues, problems and protection measures, including public health disease prevention, injury prevention and environmental health hazard mitigation. Three lectures per week. Prerequisite: BIO/EH 101 or BIO 105 or BIO 110 or BIO 121. A chemistry course is recommended. Cross-listed as BIO 370 and EH 370.	S - Spring
HS	0380	Epidemiology	HS	3	Introduction to the concepts, principles, and methods generally useful in the surveillance and investigation of communicable disease outbreaks. Three hours of lecture per week. Prerequisites: BIO 101 or 105 or 112 or 121 or 122 or EH 101. Cross-listed as EH 380 and HS 380.	F - Fall
HS	0390	Health Care Systems	HS	3	This course incorporates a discussion of the three major health care systems that have evolved in the United States, the impact of diseases on systems development, how financing has influenced the structure, and effect on access to care. Three lecture hours a week. Prerequisites: ECON 101 or 180, PSC 120, PSY 100, or SOC 110.	F - Fall S - Spring SU - Summer
HS	0402	Evidence Based Practice	HS	3	This course focuses on preparing students to engage in evidence-based practice. Students will learn to study current literature and evaluate research. Additionally students will gain the skills necessary for integrating new information into his/her role as a health care provider. Three hour lecture per week. Prerequisites: GB 321, Math 310, PSY 320, or SOC 305.	F - Fall S - Spring SU - Summer

HS	0420	Healthcare Management	HS	2		This course is a study of the principles and methods of healthcare management. The course presents the student with challenges the healthcare industry and healthcare providers face and explores the role and value of healthcare management in addressing these challenges to continuously improve healthcare quality, service, safety, and cost. Prerequisites: HS/MGMT 0350 and Junior or Senior standing.	F - Fall
HS	0422	Healthcare Info Management	HS	2		This course is a study of the use of healthcare data, documentation, and information to support decision-making, patient care and healthcare operations. Prerequisite: MGMT 237 and Junior or Senior standing.	
HS	0424	Healthcare Financial Management	HS	2		This course is a study of the Healthcare Revenue Cycle and principles of healthcare financial management. Course content and instruction will cover Payers and Payment Models, Claims Submission and Reimbursement, Benchmarking, Reporting, and a look ahead to the future of healthcare finance. Prerequisites: FIN 0350 and Junior or Senior standing.	D - Demand
HS	0481	Healthcare Leadership Internship	HS	3		This course is an 8-week internship in an actual healthcare setting. The student will select an internship opportunity from options listed below, apply, and interview with the internship partner institution during the fall semester of their senior year. The partner institution (not MSSU) will select the student for their internship position(s). The internship period will be the first 8 weeks of the spring semester of the student's senior year. Goals and expectations of the student and partner institution will be communicated to the student and partner institution prior to the beginning of the internship. Evaluations of the student performance and internship will be completed at the mid-point and conclusion of the internship. Coupled with the Healthcare Leadership course this internship will serve as part of a 'capstone experience' for the Healthcare Administration senior student. Prerequisites: HS 0420 or HS 0424. Co-requisite: HS 0482.	S - Spring
HS	0482	Healthcare Leadership	HS	2		This course is a study in leadership principles, models, challenges, responsibilities, and application. Course content and instruction will present these components of leadership as well as the value and role of leadership as they relate to healthcare administration. Prerequisite: HS 0355 or HS 0420 or HS 0424 and Senior standing. Co-requisite: HS 0481.	S - Spring
HS	0499	Independent Study	HS	1	3	Individually directed study for advanced majors in the areas of health science. The adviser with approval of the department head structures the independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The adviser, the department head, and the dean of the school must approve registration in the course.	D - Demand
IB	0310	International Business	BA	3		This course provides an introduction and overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. This course is the prerequisite for higher level International Business courses. Prerequisites: ENG 101 and 102 or ENG 111.	F - Fall S - Spring
IB	0352	International Human Resource Management	BA	3		The course addresses the concepts, principles and practices of organizations who have chosen to participate in international activities either as a profit-seeking business, a not-for-profit, or a governmental agency and wishes to improve the effective management of people in a global environment. The course will address the unique international issues including, but not limited to, human resource planning, recruiting, selecting, orienting, training, evaluating, and compensating employees in a legal, ethical and socially responsible manner. Prerequisite: IB 310 or instructor permission.	F - Fall
IB	0400	International Marketing	BA	3		This course provides students with an understanding of the principles and practices of international marketing by studies of the international marketing environment, international marketing strategies, international marketing management, and international marketing organization for international companies. Prerequisites: IB 310 and MRKT 300.	F - Fall
IB	0410	International Management	BA	3		This course will focus on the development of management skills related to international business. The students will study the international business environment, international business strategy, international organizational structure, and international management. Management issues for small and large international companies will be examined in the areas of management of activities, building of capabilities, management across boundaries, coordination and control, and human resource management. Prerequisites: IB 310 and MGMT 350 or instructor's permission.	S - Spring
IB	0430	International Trade Finance	BA	3		This course focuses on the environment in which the international financial manager operates. Students study the risks of doing business overseas and the tools available to minimize those risks. Foreign exchange risk, political risk, foreign investments and international financing, working capital management, accounting, and control are examined within this context. Prerequisites: IB 310 and FIN 350.	F - Fall
IB	0460	Global Supply Chain Management	BA	3		This course will focus on the development of logistics management skills related to global supply chains. The students will study the international business environment as it relates to transportation modes and methods, trade agreements and trade zones, legal and security transportation issues, international conventions, and import and export regimes. Particular attention will be given to supply chain management as part of the firm's strategic positioning, cultural	S - Spring

						interactions and quality considerations as well as to the importance of third party logistics providers. Prerequisites: IB 310 and IB 400.	
IB	0491	Internship in International Business	BA	1	6	An internship for senior International Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours, and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA, and department head approval. Repeatable up to six credit hours.	D - Demand
IB	0498	Advanced Topics in International Business	BA	0	3	Special topics in international business. For upper-division students. Topics to be announced each time the course is offered.	D - Demand
IB	0499	Independent Study in International Business	BA	1	6	Individually directed readings, research, and discussion in selected areas of International Business for advanced majors. Scope, depth, area of concentration, and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: 65 hours, 3.0 GPA, and department head approval. Repeatable up to six credit hours.	D - Demand
IB	0710	Global Management Strategy	BA	3		Examines management skills and strategy related to international market entry, operation, and human resource strategy. Special emphasis will be placed on managing the cultural, political, economic, social and technological environments. The students will study the international business environment, international business strategy, international organizational structure and international management. Management issues for small and large international companies will be examined in the areas of formulating and executing strategy, management of activities, building of capabilities, management across boundaries, coordination and control, and global human resource management.	F - Fall
IET	0105	Fundamentals of Professional Skills and Practices	BA	3		Introduces students to skills and resources that will help them be successful in their academic and professional career. Emphasis is provided in the areas of using research facilities and tools available on campus, understanding and valuing ones personality and the personalities of others, effective communication, professional ethics, teams, as well as introductory concepts in "lean". Three one hour lectures per week. Prerequisites: None.	F - Fall S - Spring
IET	0110	Engineering Graphics I	BA	3		Preparation of drawings by using state-of-the-art CAD software. Topics include geometric construction, orthographic projection, dimensioning, sections, pictorial drawing. One hour lecture, four hours lab per week. Prerequisites: students must have a Math ACT score of 19 or higher, or MATH 20 (or higher) with a grade of "C" or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.	F - Fall S - Spring
IET	0115	Engineering Graphics II	BA	3		Detail and assembly drawings of machines and machine elements. Study of the use of Geometric Dimensioning and Tolerancing in the design and fabrication of machine parts. The use of parametric design software reflects the industrial applications within this course. Two hours lecture and Two hours lab per week. Prerequisites: Students must have IET 110, Math 30 or higher with a grade of "C" or better.	S - Spring
IET	0204	Industrial Statics and Strength of Materials	BA	3		Introductory survey of selected topics of statics and strength of materials. Statics will emphasize on equilibrium conditions, summation of forces, and moment of a force. The strength of materials will concentrate on simple stress and strain, basic beam relationships and torsional load carrying members. Three one-hour lectures per week. Prerequisites: PHYS 151.	F - Fall
IET	0205	Computer Applications and Cost Analysis	BA	3		Provides experiences in software applications in manufacturing settings and fundamentals of cost analysis. Software applications include spreadsheets, databases, project planning, and charting. Three hours lecture per week. Prerequisites: student must have a Math ACT score of 22 or higher, or MATH 30 (or higher) with a grade of 'C' or better.	F - Fall S - Spring
IET	0270	Engineering Technology Seminar	BA	0		Industrial Engineering Technology majors must attend final project presentations in one of the following courses: IET 320, IET 425, IET 471, IET 450, MET 304, or other courses pre-approved by the department head. Students must enroll in this course three times. Prerequisites: none.	F - Fall S - Spring
IET	0300	Engineering Economics	BA	3		Basics of engineering economics. Assessment of economic viability of a project. Evaluation of decision alternatives using different economic criteria. Three one-hour lectures per week. Prerequisites: students must have MATH 120 or higher (not MATH 135) with a grade of 'C' or higher OR Math ACT score of 27 or higher AND IET 205.	S - Spring
IET	0305	Basic Electricity and Electronics	BA	3		This course provides an introduction into the principals of electricity/electronics with an emphasis on applications, problem solving, and laboratory experiments. Topics covered will include AC and DC circuits, Series and Parallel circuits, electrical components, magnetism, power and Instruments and measurements. Two hours lecture and two hours lab per week. Prerequisites: Students must have Math 130 or higher (not MATH 129, 131, or 135) with a grade of 'C' or higher or a Math ACT score of 27 or higher.	S - Spring
IET	0310	Production Planning and Control	BA	3		The course is designed to provide the theory and application of production and inventory management philosophies and techniques. The topics covered in this course will be discussed in light of the framework suggested in the APICS curriculum guides so that this can serve as a foundation for students preparing for certification exams. Applications will be illustrated through the use of computers. Three one hour lectures per week. Prerequisites: Students must have MATH 120 or higher with a grade of "C" or better or Math ACT score of 27 or higher and IET 205 or CIS 305.	F - Fall

IET	0315	Probability & Statistics for Engineers	BA	3		This course is designed for students majoring in Industrial Engineering Technology. Topics include: descriptive statistics, hypothesis testing, probability and the normal curve, inferential statistics, confidence intervals, and computer applications. Prerequisites: students must have MATH 130 or higher (not MATH 129, 131 or 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.	D - Demand
IET	0320	Applied Statistical Quality Control	BA	3		This course provides participants with the basic skills and research methods to analyze organizational systems. Topics include analytical approaches to problem solving, control charts, capability analysis, flow charts, histograms, and measurement systems analysis. Students are expected to take a set of data that represent an organizational process and apply the appropriate statistical procedure, analyze the results of the procedure, and develop a recommendation based on the analysis. Computer based solution techniques are used where appropriate. This course is also part of the requirements for the Six Sigma Green Belt or Black Belt certification. Three one-hour lectures per week. Prerequisites: MATH 310 or GB 321 or PSY 320 or IET 315 or PSC 405 or SOC 405.	F - Fall
IET	0350	Industrial Supervision	BA	3		The course is a study of the role of the supervisor. The focus is on key skills needed for effective supervision-e.g., goal-setting, delegating, budgeting, interviewing, negotiating, counseling, coaching, conducting group meetings, and handling grievances. Prerequisites: Junior standing, six hours English Comp or permission of instructor.	S - Spring
IET	0355	Work Measurement/Ergonomics	BA	3		Covers work measurements and methods. The course will focus on the use of standards, value engineering, methods design, workstations, time studies, and ergonomics. Three one hour lectures per week. Prerequisites: student must have MATH 120 or higher (not MATH 135) with a grade of 'C' or better OR a Math ACT score of 27 or higher AND IET 205.	F - Fall
IET	0380	Principles of Lean	BA	3		This course provides an overview of lean tools and techniques. Students will have opportunities to apply some of the concepts such as 5S or Kaizen as project work to aspects of their work or life in general. Prerequisites: Junior standing.	F - Fall
IET	0383	Power Generation including Pneumatic and Hydraulics	BA	3		The course provides an introduction into the principles of power generation using hydraulics and pneumatics. Emphasis is placed on conceptual understanding of methods of power generation as well as distribution and transformation as it relates to hydraulic systems, applications, problem solving, and laboratory experiments. Two hours lecture and two hours lab per week. Prerequisites: students must have MATH 130 or higher (not MATH 129, 131 or 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.	F - Fall
IET	0425	Design Experiments	BA	3		Learn basic statistical concepts of designing and analyzing experiments. Applications from various manufacturing as well as non-manufacturing fields will be illustrated throughout the course. Computer software packages to implement the methods presented will be illustrated extensively and used for homework assignments and a term project. This course is also part of the requirements for the Six Sigma Black Belt certification. Writing Intensive. Prerequisites: students must have IET 320 or permission of instructor.	S - Spring
IET	0450	Facilities Management and Planning	BA	3		This course is designed to give the students a comprehensive understanding of the issues involved in the design of an industrial production system. It will cover the problems in plant location, product analysis, process design, equipment selection, material handling, and plant layout. Three one hour lectures per week. Prerequisites: DDET 110, IET 300, IET 310, and IET 355 (may take IET 310 and IET 355 concurrently with IET 450).	F - Fall
IET	0470	Six Sigma Methodology	BA	3		This course is about developing a broad understanding of Six Sigma principles and practices. DMAIC project management methods and practical data analysis techniques are covered. Three one hour lectures per week. Prerequisites: IET 320 and IET 380 or permission of instructor.	S - Spring
IET	0471	Senior Design	BA	1		This course provides students the capstone design experience in industrial engineering technology. Students apply their technical and non-technical knowledge to actual industrial problems. The design activity includes identification of problem, objective, financial benefits, activity plan, customer analysis, data collection and analysis, generation and evaluation of solutions, and recommendations for and where possible, development of systems improvement. Students will have hands-on project work and will have to balance corporate expectations with academic requirements. Students are expected to spend considerable time outside of class time on project work. Co-requisite: IET 470. Prerequisites: IET 310, IET 320, IET 355, IET 380, IET 425 (IET 425 may be taken concurrently) or permission of instructor.	S - Spring
IET	0491	Internship in Industrial Engineering Technology	BA	1	3	This course is intended to provide the student with "real-world professional" experience in the area of Industrial Engineering Technology by working with an external organization. The Engineering Technology department has several placement opportunities available to students. Students interested in pursuing an internship must start the application process the semester before they intend to work. Prerequisites: 60 hours, 3.0 GPA minimum, and department approval. Repeatable up to six credit hours.	F - Fall S - Spring
IET	0494	Career Success	BA	1		This class is designed to prepare seniors for the transition from the university environment to the real world of work. It will cover topics such as: career development, employer expectations, job research, resume development, interviewing skills, and transition issues. One hour lecture per week. Prerequisites: Senior Standing.	F - Fall S - Spring
IET	0498	Advanced Topics in IET	BA	1	3	Special topics in Industrial Engineering Technology.	D - Demand

IET	0499	Independent Study in Industrial Engineering Technology	BA	0	3	Course structured by the instructor with approval of the department head of Engineering Technology. Prerequisites: Student must have completed 15 hours of Engineering Technology course work with a major GPA of 3.0 or higher. Registration must be approved by the student's advisor, department head, and school dean.	D - Demand
INTS	0201	Introduction to International Studies	AS	3		An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights, and images of the world, and will discuss a number of topics including methodologies of global studies and career options. Required of International Studies majors and minors; open to all others.	F - Fall
INTS	0298	Topics in International Studies	AS	3		Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.	D - Demand
INTS	0301	World Humanities	AS	3		Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of International Studies majors; open to all others. Prerequisite: must have completed general education core in Humanities and Fine Arts.	F - Fall
INTS	0302	Environment and Society	AS	3		An examination of environmental problems in the context of human societies from different regions of the world with a focus on their scientific bases, causes, and potential solutions. Prerequisites: junior standing or consent of instructor.	S - Spring
INTS	0303	Contemporary World Civilizations	AS	3		A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of International Studies majors; open to all others. Prerequisite: 3 hours of History.	S - Spring
INTS	0306	Introduction to Global Health	AS	3		This course will introduce students to the main concepts of the global health field and the critical links between global health and social and economic development. Students will get an overview of the principles and goals of global health, the burden of disease, and key measures to improve global health. Required of International Studies majors; open to all others. Prerequisite: BIO 101 or 105 or 121 or 122 or EH 101.	F - Fall
INTS	0308	Model United Nations	AS	3		A study of the United Nations and selected issues in recent global history from the perspective of a United Nations member state. Both the nation and topics studied will be determined by the agendas of the collegiate Model United Nations conferences in which Missouri Southern participates. Although the course is designed to prepare delegates for conferences, enrollment is not limited to Model UN participants. May be repeated for a total of 9 credit hours.	F - Fall
INTS	0320	Teaching English Abroad I	AS	3		Provides a practical and non-technical overview of the particular issues and considerations involved in teaching English as a Second Language in a cross-cultural context. Students will be introduced to foundational principles and techniques used to teach English globally, and will be prepared to survive – and even thrive – in an overseas English classroom. Emphasis will also be given to assessing overseas TESOL/TEFL job opportunities, communicating cross-culturally, adapting to living abroad, and other practical life-skills required to be a successful expatriate English teacher. Prerequisites: ENG 101 and ENG 102 or ENG 111, and COMM 100.	F - Fall
INTS	0321	Teaching English Abroad II	AS	3		Provides instruction in the "nuts and bolts" of teaching the core areas of English as a Second Language in a cross-cultural context. Participants will learn to develop effective lesson plans that will enable them to teach English grammar and vocabulary, as well as the skills of listening, speaking, reading, and writing. Participants will prepare for real-world overseas English teaching in a variety of ways: lesson planning with feedback from instructors and classmates, class presentations, interactive discussions, and more. Emphasis will be given to the implications of teaching English globally, serving as a "cultural ambassador," and further opportunities for professional development in the world of TESOL/TEFL. Prerequisite: INTS 0320 Teaching English Abroad I.	S - Spring
INTS	0322	Teach English Abroad Practicum	AS	3		This practicum provides participants with the opportunity to apply knowledge, strategies, and skills acquired in INTS 320 and INTS 321 under the supervision of faculty members from MSSU's Intensive English Program (IEP). Participants observe IEP courses, participate in faculty-guided co-teaching of IEP courses, and instruct and tutor international students in the areas of ESL reading, writing, speaking, listening, and grammar. Required coursework includes but is not limited to: observations with reports, lesson planning assignments, self-evaluations, and one-on-one meetings with IEP faculty. Prerequisites: INTS 320 and INTS 321.	F - Fall
INTS	0350	A Tale of Two Cities: London and Paris	AS	3		The course explores the society and culture of London and Paris and provides an in-depth look at the ethnic diversity, neighborhoods, urban regeneration, historical perspective, government, transportation, communications, and commerce of both global cities. The course requires a study abroad trip to London and Paris with students responsible for travel expenses. Enrollment by permission of the instructor.	D - Demand



INTS	0370	Globalization and Native Peoples	AS	3		Globalization and Native Peoples focuses on the increasingly interconnected nature of human cultures around our planet. In this class, students will examine the socioeconomic, cultural, and political processes that work to both advance and to harm the unique lifeways of the thousands of indigenous people living as political and ethnic minorities within different nations. The course will address the complex and often negative effects of multinational corporations seeking to exploit natural resources within the traditional lands of native peoples, as well as the local ecological and health impact of various agencies. The course will also explore the role of modern media, including the Internet's popular social network sites, in another aspect of globalization today. Finally, the opposing trends of a global monoculture vs. the active promotion or revitalization of native language, culture, beliefs, and values will be discussed. Prerequisite: ANTH 101 (or above) or INTS 201 or SOC 110 or special permission from the instructor. Cross-listed as ANTH 370.	S - Spring
INTS	0382	Geography of Europe	AS	3		An examination of the geography of Europe, including its cultural and physical realms, with a focus on the languages, religions, politics, urban centers, economies, and unique environments that characterize the region. Prerequisites: junior standing or consent of instructor; recommended GEOG 111. Cross-listed with GEOG 382.	D - Demand
INTS	0402	Senior Thesis in International Studies	AS	3		With a faculty supervisor, the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Prerequisite: Senior standing, permission of the Director of the Institute of International Studies, and applicable research course determined by the Director of the Institute of International Studies.	F - Fall S - Spring
INTS	0498	Advanced Topics in International Studies	AS	3		For upper-division students. Topic to be announced each time the course is offered. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.	D - Demand
INTS	0499	Independent Study in International Studies	AS	1	3	An independent course structured by the adviser with approval of the Director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative grade point average of 3.0 and have completed a minimum of 15 hours of International Studies courses. Project must be approved by adviser, by the course director, and by the Director of the Institute of International Studies prior to enrollment.	D - Demand
JPN	0101	Beginning Japanese I	AS	3		Pronunciation, conversation, and grammar. Aural/oral drill. Prerequisite: None.	F - Fall
JPN	0102	Beginning Japanese II	AS	3		Continuation of Japanese 101. Additional work in pronunciation, conversation, and grammar. Aural/oral drill. Prerequisite: JPN 101 or equivalent level of proficiency.	S - Spring
JPN	0103	Survival Japanese	AS	5		Introductory course that covers the very basics of spoken Japanese, Japanese customs, culture, and social behaviors. The course will introduce topics that help students develop practical communication skills needed in an authentic Japanese speaking environment. Grammar and structural patterns will be briefly touched upon whenever necessary. This course fulfills the modern language requirement for Bachelor of Arts if taken together with or in addition to Survival Chinese. Students taking other higher level of Japanese courses in addition to this course can also meet their language requirement. Prerequisite: none. MOTR: LANG 105	S - Spring
JPN	0203	Intermediate Japanese I	AS	3		Grammar review and continued aural/oral practice. Prerequisite: JPN 102 or equivalent level of proficiency.	F - Fall
JPN	0204	Intermediate Japanese II	AS	3		Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: JPN 203 or equivalent level of proficiency.	S - Spring
JPN	0205	Basic Japanese Grammar	AS	5		Introductory grammar course that covers the basics of Japanese grammar. This course is designed for Japanese minors or those who intend to study in Japan for a semester or two. While this course continuously helps students build their communicative skills, increased attention will be given to grammar and sentence structures. This course fulfills the modern language requirement for Bachelor of Arts if taken in addition to JPN 103, Survival Japanese or JPN102. Prerequisite: JPN102 or JPN 103. MOTR: LANG 106	S - Spring
JPN	0298	Topics in Japanese	AS	1	8	Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.	D - Demand
JPN	0305	Advanced Japanese I	AS	3		First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: JPN 204 or placement test.	D - Demand
JPN	0306	Advanced Japanese II	AS	3		Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: JPN 305 or placement test.	D - Demand
JPN	0491	Internship in Japanese	AS	1	8	Off-campus work experience in areas related to professional goals of students. For advanced students in Japanese. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. • Prerequisites A minimum of 12 hours in Japanese with a minimum 3.0 GPA; approval of department chair before enrolling.	D - Demand

JPN	0498	Advanced Topics in Japanese	AS	1	8	For upper-division students. Topics to be announced each time the course is offered. Prerequisites are determined by the department and stipulated in the syllabus.	D - Demand
JPN	0499	Independent Study	AS	1	3	Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head, and dean in advance of enrollment.	F - Fall S - Spring
KINE	0000	Kinesiology Lab	ED	0			
KINE	0101	Introduction to Physical Activity	ED	1		Designed to assist students in developing proficiency in a physical activity to increase the likelihood of lifetime participation. Non-repeated activities may be taken a maximum of three times for credit.	F - Fall S - Spring SU - Summer
KINE	0103	Lifetime Wellness	ED	2		Designed to provide students with the knowledge and self-management skills that will assist them in adopting healthy lifestyles. The course will encompass all areas of wellness: physical, emotional, spiritual, social, and intellectual.	F - Fall S - Spring SU - Summer
KINE	0113	Wellness for the Health Professional	ED	2		Contemporary information about the beneficial effects of a healthy lifestyle and how to implement and live such a lifestyle. Required and limited to students studying in the Department of Kinesiology.	F - Fall S - Spring
KINE	0114	Fitness Programming and Assessment	ED	2		Designed to teach introductory theory and technique in exercise testing and programming, based on the American College of Sports Medicine guidelines and certification requirements. Students will participate in and conduct tests of cardiorespiratory fitness, muscular strength and endurance, joint flexibility, and body composition. Prerequisite: KINE 113 or KINE 103.	F - Fall S - Spring
KINE	0135	History and Philosophy of Physical Education	ED	2		Changing role of physical education from past to present as evidenced through the influence of the various philosophies. Prerequisite: KINE 113 or concurrently.	S - Spring
KINE	0150	Rules and Officiating of Team Sports	ED	3		Knowledge and skills for officiating basketball, volleyball, softball, baseball, and football; officiating laboratory required in some areas.	D - Demand
KINE	0160	Personal and Community Health	ED	2		Study of the major risk factors determining health status, with special consideration given to principles and practices of good health for individual and community concerns, including personal and community assessments, body mechanics, nutrition, legal and illegal substances, responsible sexual behavior, mental health, and the cause and prevention of disease.	D - Demand
KINE	0170	Drug Education	ED	2		Examine the dimensions and problems of drug use and abuse in our society. Basic information on drug classifications, as well as specific content areas dealing with pharmacology, legislation, drug testing, drug education, and prevention efforts will be covered. Key societal influences will be addressed including drugs in the workplace, in sports, in medicine, and throughout our culture.	D - Demand
KINE	0220	First Aid and Sport Safety	ED	2		Designed to offer students the knowledge and skills necessary to sustain life, in an emergency situation, by minimizing the consequences of injury and sudden illness until medical help arrives. Strategies for providing a safe environment for athletes and injury prevention will also be presented. Students receive certification through the American Red Cross in First Aid, CPR and AED adult and pediatric.	F - Fall S - Spring SU - Summer
KINE	0251	Lifetime Activities	ED	3		Knowledge, skill development, skill analysis, assessment, and pedagogy of selected lifetime activities commonly found in the school physical education curriculum. Students are expected to demonstrate a minimum level of proficiency in various activities. Enrollment restricted to Physical Education candidates. Prerequisite: KINE 113.	F - Fall
KINE	0252	Team & Ind. Sports Instruction	ED	3		Knowledge, skill development, skill analysis, assessment, and pedagogy of selected team and individual sport activities commonly found in the school physical education curriculum. Students are expected to demonstrate a minimum level of proficiency in various activities. Enrollment restricted to Physical Education candidates. Prerequisite: KINE 113.	S - Spring
KINE	0255	Dance & Recreational Pursuits	ED	2		Students will develop and refine the content knowledge and pedagogical skills needed for instructing dance, rhythms, and lifelong leisure activities. Prerequisite: KINE 113.	F - Fall S - Spring
KINE	0292	Theory and Technique of Strength Training	ED	2		Designed to assist health promotion professionals with designing and implementing strength training programs and with weight room management. Required and limited to students studying in the Department of Kinesiology. Prerequisite: KINE 113.	F - Fall S - Spring
KINE	0295	Orientation to Health Promotion and Wellness	ED	1		An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Health Promotion and Wellness majors. Prerequisite: KINE 113.	F - Fall S - Spring
KINE	0298	Topics in Kinesiology	ED	0	4		
KINE	0305	Aging and Health	ED	2		Designed to explore the physiological process of aging and the role of interventions. Students will conduct assessments and participate in activities appropriate for the aging population. Prerequisite: KINE 103 or KINE 113.	S - Spring
KINE	0310	Theory and Technique of Elementary Physical Education I	ED	3		Designed to provide pedagogical knowledge and application necessary for instruction of physical education with the elementary school child. Emphasis on motor skill instruction and analysis, curricular design, lesson planning, and class management. Enrollment restricted to Physical Education majors. Prerequisite: KINE 251 or KINE 252.	F - Fall
KINE	0311	Physical Education for the Elementary School	ED	2		Provides elementary education candidates with the skill, content and pedagogical knowledge necessary to design and implement an interdisciplinary physical education program. Emphasis is on development of the total child through physical activity. Prerequisite: EDUC 329 or concurrent enrollment in EDUC 329.	F - Fall S - Spring

KINE	0312	Theory and Technique of Elementary Physical Education II	ED	3		Designed to provide pedagogical knowledge and practical experience for instruction in the elementary school physical education setting. Emphasis on motor learning, physical fitness assessment, unit planning, and lifetime activity and sport instruction. Includes a 12-15 hour field experience. Prerequisite: KINE 310.	S - Spring
KINE	0321	Theory and Technique of Secondary Physical Education	ED	3		Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization, and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Physical Education majors. Prerequisite: KINE 251 or KINE 252.	S - Spring
KINE	0325	Practicum in Sports Medicine	ED	2		This course is designed to provide the student the opportunity to observe and participate in athletic training procedures performed on athletes in the MSSU athletic training facility. (80 hours). Can be repeated once for additional credit. Prerequisites: KINE 220 and permission of instructor.	F - Fall S - Spring
KINE	0332	Theory and Technique of Movement and Rhythms	ED	3		Designed to develop content knowledge and pedagogical skill in the area of dance and rhythmic activities developmentally appropriate for the PK-6 elementary physical education curriculum. Emphasis on movement concepts through activities involving creative dance, singing games, dances of American origin, international folk dances, and a variety of rhythmic activities. Students are expected to demonstrate a minimum level of proficiency in activities. Prerequisite: KINE 251 or 252.	F - Fall S - Spring
KINE	0340	Motor Learning in Physical Education	ED	2		Designed to provide students with the background necessary for identification of physical, mental, social, and emotional development and the effects on behavior movement. Prerequisite: 30 hours.	F - Fall S - Spring SU - Summer
KINE	0342	Biomechanical Analysis of Movement	ED	3		A biomechanical approach to the study of forces on the human body with an emphasis on performance improvement, injury prevention, and rehabilitation in sport and exercise. Prerequisite: BIO 201 or 221.	F - Fall S - Spring
KINE	0345	Tests and Measurements in Physical Education	ED	2		Designed to introduce students to the techniques of measuring and evaluating performance. Includes preparation and administration of skill, fitness, and written tests along with statistical procedures for data analysis. Prerequisite: KINE 114 and MATH 125 or higher.	F - Fall S - Spring
KINE	0351	Exercise Interventions	ED	3		An introduction to the skills and instructional strategies of selected traditional as well as contemporary group exercise programs. Enrollment restricted to Health Promotion and Wellness majors. Prerequisite: KINE 113 and KINE 114.	F - Fall S - Spring
KINE	0352	Administration in Health Promotion	ED	3		Provides students with the skills and knowledge necessary to design, organize, and implement appropriate health promotion programs. Required and limited to students seeking a degree in Health Promotion and Wellness. Prerequisites: KINE 113 and KINE 295.	F - Fall S - Spring
KINE	0355	Lifetime Sports Academy Practicum	ED	1		A one-week practicum designed to provide students with practical teaching experience of children in lifetime sports and recreational activities. The Lifetime Sports Academy is held annually on the campus of Missouri Southern State University during the second week of June and is open to all elementary-aged children. Required of Physical Education majors. Can be repeated once for additional credit.	SU - Summer
KINE	0365	Psychological Aspects of Physical Education	ED	2		Behavior exhibited in the learning of skills and physical performance related to psychological concepts connected with the demands of physical activities. Particular attention given to self-efficacy, motivation, and participation and their effect on physical performance and personal wellness.	F - Fall
KINE	0366	Social Aspects of Physical Education	ED	2		Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical, and moral development of citizens.	S - Spring
KINE	0367	Socio-Psychological Aspects of Physical Education	ED	3		Behavior exhibited in the learning of skills and physical performance related to sociological and psychological concepts connected with the demands of physical activities. Particular attention is given to self-efficacy, motivation, and participation and their effect on physical performance and personal wellness. Prerequisite: KINE 113 or KINE 103.	F - Fall S - Spring
KINE	0370	School Health Education	ED	2		This course provides the background knowledge and skills teachers need to implement comprehensive school health education at the grade levels in which they are certified. Prerequisite: EDUC 329 or concurrent enrollment in EDUC 329.	F - Fall S - Spring
KINE	0375	Adapted Physical Education	ED	3		An introduction to the area of working with Exceptional Children in the P-12 learning environment and is required of all teacher education majors. The content includes the history of Special Education, legal issues, characteristics of the exceptional student, methods and techniques for instruction, resources in the community, and an exploration of assistive and adaptive technology. This course provides information and strategies to assist professionals in designing and implementing appropriate physical activity programs for individuals with disabilities. Prerequisites: KINE 114.	F - Fall S - Spring
KINE	0380	Research Methods in Health and Exercise Science	ED	2		This course provides theoretical content and applied experience with research methods in health and exercise science. Learning experiences will include designing, implementing, analyzing and interpreting research in the field. Prerequisites: KINE 114 and Junior Standing.	F - Fall S - Spring
KINE	0385	Nutrition for Human Development	ED	3		Students will examine nutrition associated with human development and performance. Emphasis on the physiological and biochemical basis of nutrient absorption and utilization. Particular attention will be given to evaluating and developing strategies for optimal nutrition at various life stages. Prerequisite: any biology or chemistry course.	F - Fall S - Spring SU - Summer

KINE	0395	Practicum in Wellness	ED	2		Students will gain experience in planning, implementing, and evaluating various aspects of health promotion programs. Knowledge of wellness programs will be enhanced by the development and refinement of skills appropriate to the discipline. Out of class opportunities will include working with the Missouri Southern Wellness Program and/or the community. Prerequisite: KINE 295.	F - Fall S - Spring
KINE	0431	Physiology of Exercise	ED	3		This course is designed for students already having prerequisite knowledge of human physiology. Emphasis is on human responses to varying levels of physiological conditioning and environment within which the exercise is taken. Course content includes physiological principles to better understand human physiology under exercise stress.	F - Fall S - Spring
KINE	0432	Physiology of Exercise Laboratory	ED	2		Lab activities with emphasis on instrumentation and techniques used in the assessment of the physiological response to exercise. Required course for Health Promotion and Wellness majors. Prerequisite: BIO 201 or 221.	F - Fall S - Spring
KINE	0438	Applications in Physical Education	ED	1		This course is designed to prepare physical education teacher candidates for the transition from student to the professional semester and the teaching profession. Emphasis will be on writing in the profession, creating a professional learning log, discussion in preparation of the student teaching experience, pedagogy and assessments, creating a 21st century assessment plan, preparation of a personal professional portfolio, research and critical discussion of current issues, trends and expectations within the profession. Recertification in American Red Cross Adult & Pediatric First Aid/CPR/AED is required. Restricted to Physical Education candidates the semester prior to student teaching. There will be additional supply costs associated with this course. Prerequisites: Jr. Block or concurrent enrollment.	F - Fall S - Spring
KINE	0450	Prevention & Care of Injuries	ED	3		Prevention and Care of Injuries is designed to provide knowledge and skill related to the prevention, care and rehabilitation of athletic related injuries. Prerequisites: KINE 220 (course may not be taken simultaneously) and KINE 342. Fee required.	F - Fall S - Spring
KINE	0491	Internship in Wellness	ED	6		Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: Health Promotion and Wellness major, application for experience at least one semester in advance, and consent of department.	F - Fall S - Spring SU - Summer
KINE	0498	Seminar in Health or Physical Education	ED	1	3	A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing, and permission of department head.	F - Fall S - Spring
KINE	0499	Independent Study	ED	1	3	Research of a problem or field of study relating to kinesiology. Material, content, credit, and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major, and permission of department head.	F - Fall S - Spring
LE	0100	Introduction to Criminal Justice	AS	3		An overview of the criminal justice system to include the roles of police, courts, and corrections with an understanding of its response to crime in society. Emphasis is placed on the delicate balance between community interests and individual rights that criminal justice decision-making requires.	F - Fall S - Spring
LE	0180	Basic Law Enforcement Academy	AS	13		The pre-licensing training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri criminal law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects, and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. There will be additional costs associated with this course. Prerequisites: Permission of Training Director.	F - Fall S - Spring
LE	0181	Basic Law Enforcement Academy II	AS	13		The pre-licensing training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri criminal law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects, and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. There will be additional costs associated with this course. Prerequisites: Permission of Training Director and LE 180	F - Fall S - Spring
LE	0200	Crime Scene Investigation I	AS	3		An introduction to the basic protocol of crime scene investigation to include first response, diagramming, photography, fingerprinting, and the preservation and collection of physical evidence.	F - Fall
LE	0210	Criminal Procedure	AS	3		Overview of criminal justice process and procedure from first contact with law enforcement through the criminal trial. Topics include "stop and frisk", arrest, search and seizure, interrogation, identification, and the criminal trial.	S - Spring
LE	0220	Crime Scene Photography	AS	3		A photography course designed to instruct the law enforcement student in the fundamentals of photography, as it relates to the documentation and investigation of crime scene evidence. This course discusses traditional photography techniques in addition to the use of digital photography for law enforcement.	F - Fall
LE	0225	Patrol Procedures	AS	3		Covers numerous areas confronting today's law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.	D - Demand
LE	0230	Community Policing	AS	3		An introduction to and analysis of theories, techniques, and programs involving police image and public response. Special attention will be paid to problems of crime prevention, community oriented problem solving policing, police-public interaction, and public safety.	D - Demand

LE	0232	Ethics in Criminal Justice	AS	3		Ethics in Criminal Justice is an introduction to the ethical and moral issues confronting criminal justice professionals. The course explores major philosophical frameworks and value systems. Focus is placed on recognition and analysis of practical moral issues and ethical dilemmas characterizing the modern criminal justice system with emphasis on the law enforcement, courts and corrections subsystems.	S - Spring
LE	0250	Criminal Law	AS	3		Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state, and federal laws. The development, application, and enforcement of laws.	F - Fall
LE	0260	Firearms I	AS	3		History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a range master. The laws concerning firearms acquisitions, ownership and use. Three hours lecture per week. There will be additional costs associated with this course. Additional lab time arranged.	D - Demand
LE	0280	Professional Writing in Criminal Justice	AS	3		Introduces various methods and styles of report writing and professional communication in the criminal justice field together with use of basic report forms and follow-up reports. Prerequisites: ENG 101 and 102 or ENG 111.	F - Fall
LE	0290	Police Supervision and Management	AS	3		Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare, and problem-solving leadership.	D - Demand
LE	0298	Topics in Law Enforcement	AS	1	3	Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.	D - Demand
LOGT	0340	Principles of Transportation	BA	3		Principles of Transportation examines forms of transportation and institutional factors that influence transportation decisions; regulation, public policy, and other governmental variables are reviewed in detail. An introduction to physical distribution's interaction with transportation is explored.	S - Spring
LOGT	0345	Business Logistics	BA	3		A survey of the management of logistic functions in the firm, including physical supply and distribution activities such as transportation, storage facilities, inventory control, materials handling, warehousing, financing, and organization.	F - Fall S - Spring
LOGT	0360	Supply Chain Management	BA	3		A survey of basic supply chain management structures within and between organizations. Emphasis on collaboration and planning related to major functional areas required to organize the flow of products and services.	S - Spring
LOGT	0491	Logistics Professional Interns	BA	1	3	Intended to provide the student with "real-world professional" experience in the area of Logistics by working with an external organization. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Students interested in pursuing an internship must start the application process the semester before they intend to work. Prerequisite: 60 hours, 3.0 GPA minimum, and department approval. Repeatable up to six credit hours.	D - Demand
MATH	0000	Math Lab	AS	0			
MATH	0020	Beginning Algebra	AS	3		The real number system, solving and graphing linear equations and inequalities, applications of linear equations, and systems of linear equations. No credit toward baccalaureate degree.	F - Fall S - Spring SU - Summer
MATH	0025	Accelerated Beginning Algebra	AS	2		Linear equations and inequalities with applications, graphing linear equations, systems of linear equations and inequalities, exponents. Other topics may be covered as time permits. Designed as a preparation for intermediate algebra for those students already having mastered real number arithmetic and solution of basic linear equations. No credit toward baccalaureate degree. Prerequisite: One year of high school algebra and score of at least 16 on the ACT Mathematics Section or qualifying score on the Mathematics Placement test.	F - Fall S - Spring
MATH	0030	Intermediate Algebra	AS	3		Factoring, solving quadratic equations, operations on polynomials, operations on rational expressions, solving rational equations, operations on radicals, solving radical equations. Prerequisite: A Math ACT score of 19 (or higher) or Math 020 or Math 25 with a grade of 'C' or better. No credit towards a baccalaureate degree.	F - Fall S - Spring SU - Summer
MATH	0119	Math for Elementary Teachers I	AS	3		The real number system and its subsystems, relations and functions, numeration systems. Relevant topics from Math 30 are included in the course. Prerequisite: A Math ACT score of 19 (or higher) or MATH 020 with a grade of 'C' or better.	F - Fall S - Spring
MATH	0120	Math for Elementary Teachers II	AS	3		A continuation of MATH 119. Geometric concepts in two and three dimensions, networks, constructions and similarity, probability and an introduction to statistics. This course satisfies the general education mathematics requirement for elementary education majors. Prerequisite: MATH 119 with a grade of 'C' or higher or permission of department.	F - Fall S - Spring SU - Summer
MATH	0125	Contemporary Mathematics	AS	3		An introduction to various areas of mathematics, such as geometry, statistics, set theory, algebra and other topics. Relevant topics from MATH 030 are included in the course. Satisfies the general education mathematics requirement. Prerequisites: A Math ACT score of 19 (or higher) or MATH 020 with a grade of 'C' or higher. MOTR: MATH 120	F - Fall S - Spring SU - Summer
MATH	0129	Finite Mathematics	AS	3		This course is designed for majors in the School of Business. The main topics for the course include: Functions and graphs (linear, polynomial, exponential, and logarithmic), linear programming, sets and probability, and an introduction to statistics. All topics emphasize applications in a business environment. Prerequisite: A Math ACT score of 22 (or higher) or MATH 030 with a grade of 'C' or better.	F - Fall S - Spring SU - Summer



MATH	0130	College Algebra	AS	3	A study of functions and their graphs; including linear and quadratic, polynomial, rational, exponential, and logarithmic functions. The primary purpose of this course is to assist students in preparing for Calculus. Prerequisites: A Math ACT score of 22 (or higher) or MATH 030 with grade of 'C' or higher. MOTR: MATH 130	F - Fall S - Spring SU - Summer
MATH	0135	Trigonometry	AS	3	Trigonometric functions and applications, right triangle trigonometry, radian measure and applications, graphing trigonometric functions, using and verifying trigonometric identities, using sum, difference, half, and double angle formulas, solving trigonometric equations, inverse trigonometric functions, the law of sines and the law of cosines. The primary purpose of this course is to assist students in preparing for Calculus. Prerequisite: A Math ACT score of 22 (or higher) or MATH 030 with grade of 'C' or higher.	F - Fall S - Spring SU - Summer
MATH	0140	Algebra and Trigonometry	AS	5	Equivalent of MATH 130 and MATH 135. Prerequisites: A Math ACT score of 22 (or higher) or MATH 030 with a grade of 'C' or higher. Only two hours credit for students with MATH 135 or MATH 130 credit. No credit for students with credit for MATH 130 and MATH 135. MOTR: MATH 150	F - Fall S - Spring
MATH	0150	Calculus with Analytic Geometry I	AS	5	Limits, differentiation, and integration of algebraic and transcendental functions as well as the application of these concepts to real world situations. Prerequisite: MATH 140 with a grade of 'C' or higher or a Math ACT score of 27 (or higher).	F - Fall S - Spring
MATH	0250	Calculus with Analytic Geometry II	AS	4	Techniques of integration. Infinite series. Parametric equations and polar coordinates. Applications to physical problems. Prerequisite: MATH 150 with a grade of 'C' or better.	F - Fall S - Spring
MATH	0260	Calculus with Analytic Geometry III	AS	4	Vectors and vector functions, partial differentiation, multiple integrals, vector calculus. Applications to physical problems. Prerequisite: MATH 250 with a grade of 'C' or better.	F - Fall S - Spring
MATH	0300	Fundamentals of Mathematical Thought	AS	3	Introduction to proofs, sets, logic, predicate calculus, relations, partitions, functions, and cardinality. Includes topics in number theory, discrete mathematics, analysis, and algebra. Prerequisite or co-requisite: MATH 260 with a "C" or better.	S - Spring
MATH	0302	Applied Calculus	AS	3	Calculus applications of differentiation and integration in business, social science, life sciences, and engineering technology. Prerequisites: MATH 129 or MATH 130 with a grade of 'C' or better. Will not count toward a major or minor in mathematics.	S - Spring
MATH	0310	Elementary Statistics	AS	3	Provides a basic statistical background for the various majors for advanced study in their specialties. Topics to be covered include data summary, measures of central tendency and variation, linear regression, and hypothesis testing with applications to health, social, managerial, biological and physical sciences. This course satisfies the general education requirements in mathematics. Prerequisite: MATH 120 (or higher) with a grade of 'C' or better.	F - Fall S - Spring SU - Summer
MATH	0312	Problems of Teaching Arithmetic in the Elementary Schools	AS	3	(See Educ 312 for description.) Will not count toward a major in mathematics.	F - Fall S - Spring SU - Summer
MATH	0315	Algebraic Structures for Teachers	AS	3	An introduction to modern algebra: Sets, relations and functions, groups, rings, integral domains, and fields. The course will emphasize activities that incorporate these topics in the middle school/junior high mathematics curriculum. Will not count toward a major in mathematics. Prerequisite: MATH 150 with a grade of 'C' or better.	SU - Summer
MATH	0322	Differential Equations	AS	3	Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: MATH 250 with a grade of 'C' or better.	S - Spring
MATH	0330	History of Math	AS	3	A multicultural approach to the history of mathematics from the beginnings to the discovery of Calculus. A study of the people and ideas that have shaped events in mathematics history. Historical and contemporary problems that reinforce ideas and methods of the past and present. Construction of a world map depicting important times and places in history. Prerequisite: MATH 250 with a grade of 'C' or better.	FO - Fall-Odd
MATH	0332	Geometry	AS	3	Geometric theory from a modern axiomatic viewpoint. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: Math 250 with a grade of 'C' or better.	FE - Fall-Even
MATH	0339	Teaching Mathematics in Secondary Schools	AS	3	Introduction to the instructional planning, materials, and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics.	F - Fall
MATH	0340	Discrete Mathematics	AS	3	The course is designed as an introduction to discrete mathematics which serves as a foundation for topics in computer science. Topics include: foundations of discrete mathematics, algorithms, graphs/trees, Boolean algebra, recurrence relations, combinatorics, and other topics as time allows. Prerequisite: MATH 260 or consent of the department head.	F - Fall
MATH	0342	Abstract Algebra	AS	3	The course is designed as an introduction to algebra. Topics include: groups, permutations, cosets, homomorphisms, factor groups, rings, fields, integral domains, and ideals. Prerequisite: MATH 300 with a grade of "C" or better.	FO - Fall-Odd
MATH	0350	Introduction to Numerical Analysis	AS	3	Error analysis, solution of polynomial and transcendental equations, collocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: MATH 250 with a grade of 'C' or better and CIS 110 or higher with a grade of 'C' or better.	FE - Fall-Even
MATH	0351	Linear Algebra	AS	3	Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: MATH 300 with a grade of 'C' or better.	S - Spring

MATH	0361	Probability and Statistics I	AS	3		Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: MATH 260 with a grade of 'C' or better.	F - Fall
MATH	0371	Introduction to Operations Research	AS	3		Operations research/management science for computer science and mathematics students. Topics includes linear and integer programming, project scheduling, inventory models and queuing theory. Prerequisite: MATH 260 with a grade of C or better and CIS 210 with a grade of C or better or equivalent computer programming ability.	FO - Fall-Odd
MATH	0375	Seminar in Advanced Problem Solving	AS	1		Techniques, strategies, and reasoning tools useful for solving sophisticated mathematical problems from various areas and combinations of areas of mathematics. Prerequisite: MATH 300 with a grade of 'C' or better.	D - Demand
MATH	0407	Overcoming Math Anxiety	ED	2		Designed to help students overcome their personal mathematics anxiety, this course will also teach students how to stop the math anxiety cycle for their prospective elementary school students. Using a variety of intervention strategies and instruction in elementary education mathematics and mathematics education pedagogy, the course will enable students to help reduce, prevent, and eliminate fear and avoidance of mathematics in future generations of students. Prerequisite: MATH 111 or MATH 119.	D - Demand
MATH	0421	Introduction to Advanced Calculus	AS	3		Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: MATH 300 with a grade of 'C' or better.	SO - Spring-Odd
MATH	0452	Mathematical Models	AS	3		Applying mathematics in formulating and analyzing models for real world problems. Topics include deterministic models, graphs as models, stochastic models and computer simulation. Prerequisite: MATH 260 with a grade of C or better and CIS 210 with a grade of C or better or equivalent computer programming ability.	FE - Fall-Even
MATH	0462	Probability and Statistics II	AS	3		Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation, and regression. Prerequisite: MATH 361 with a grade of 'C' or better.	SE - Spring-Even
MATH	0485	Topics in Mathematics	AS	3		Advanced topics in mathematics. Each year a topic will be chosen from Complex Variables, Number Theory, Partial Differential Equations, Discrete Mathematics, Topology, and Numerical Analysis, with the possibility of additional topics subject to demand. Prerequisites: MATH 260 with a grade of 'C' or better, with additional prerequisites depending on the topic.	S - Spring
MATH	0498	Advanced Topics in Mathematics	AS	1	3	Designed to give advanced instruction in some area of mathematics not covered in other courses. For upper division majors. Prerequisites to be determined by the department.	D - Demand
MATH	0499	Independent Study	AS	1	3	Course structured by the adviser with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a grade point average of 3.0. Students must make application several weeks in advance. Registration must be approved by the adviser, department head, and school dean. See department head for details.	D - Demand
MATH	0500	Introduction to Abstract Mathematics	AS	3		A review/introduction to proofs, sets, logic, predicate calculus, relations, partitions, functions, group theory, and analysis. Includes topics in number theory, discrete mathematics, analysis, and algebra. Prerequisite: An undergraduate degree in Mathematics, Mathematics Education, or a closely related discipline.	S - Spring
MATH	0510	Computer Prog for Mathematics	AS	3		An introduction to scientific programming in Python. Introductory topics include data structures and types, loops, flow-control statements and functions. In addition students will use SymPy, NumPy, Matplotlib, and SciPy modules for solving problems common in mathematics, physical or applied sciences. Prerequisite: an undergraduate degree in Mathematics, Mathematics Education, or a closely related discipline.	SU - Summer
MATH	0526	Statistical Analysis	AS	3		Provides a basis for understanding and evaluating statistical studies as well as teaching participants a wide variety of statistical analysis techniques. Topics include: data collection, observational vs experimental studies, linear regression, and hypothesis testing involving proportions and means. Course includes applications in a variety of fields including: education, social science, criminal justice, medicine, biology and business. Prerequisite: college algebra or higher.	
MATH	0530	Real Analysis	AS	3		The real numbers as an extension of the set of rationals, completeness of the reals, metric spaces, compact and connected sets, convergence of sequences and series, continuity, differentiation, Taylor's Theorem, Riemann-Stieltjes Integration. Prerequisite: MATH 500 with a 'C' or higher.	F - Fall
MET	0100	Introduction to Machine Tool Processes	BA	3		The theory and safe operation of machine tools. Fundamental practices covered will include safety, basic mathematics, blueprint reading, bench work and precision measurement, metal sawing, drills and drilling, engine lathes and mills. One hour lecture, four hours lab. Prerequisites: students must have a Math ACT score of 22 or higher, or MATH 30 (or higher) with a grade of 'C' or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.	F - Fall S - Spring
MET	0200	Computer Numerical Control	BA	3		Basic numerical control concepts and applications, the operation and setup of numerical control machines, including vertical machining centers and turning centers, numerical control programming as applied to machining applications using shop floor programming. One hour lecture, four hours of lab. Prerequisites: students must have MET 100, MATH 30 or higher with a grade of 'C' or better or ACT WorkKeys Applied Mathematics Test Level 6 or higher, or a Math ACT score of 27 or higher.	S - Spring

MET	0210	Industrial Robotics	BA	3		This course will provide the student with the ability to program industrial automation to perform multiple processes. Also, students will learn to operate and maintain automation safely in a manufacturing environment. Two hours lecture, two hours lab. Prerequisite: Math 30 or higher.	S - Spring
MET	0220	Introduction to Programmable Logic Controllers	BA	3		This course is designed to provide students with an understanding of how transducers can be used in an industrial setting. Students will understand the basic components of a PLC, ladder logic, power supply, and the wiring of inputs and outputs. Programming labs will allow the student to control automation devices to work within a simple manufacturing system. Two hour lecture, two hour lab. Prerequisite: MATH 30 or higher.	F - Fall
MET	0240	Engineering Materials	BA	3		Introduction to materials currently used in today's manufacturing settings with emphasis on metals, plastics, ceramics, and composites. Laboratory activities involve both manual and computer assisted testing. Two hours lecture and two hours of lab. Prerequisites: Students must have Math 130 or higher (not Math 129 or 135) with a grade of "C" or better or Math ACT score of 27 or higher.	S - Spring
MET	0245	Manufacturing with Metals	BA	3		Practical introduction to metals and alloys with emphasis on optimal use of materials in a variety of manufacturing applications. This course focuses on providing an understanding of how and when materials are used, examining specific applications and their requirements and relating those requirements to the properties of various materials. Criteria for appropriate materials selection as well as techniques for maintaining control over material properties during processing will be illustrated. Two hours lecture and two hours lab per week. Prerequisites: students must have MATH 130 or higher (not MATH 129, 131 or 135) with a grade of 'C' or better or a Math ACT score of 27 or higher.	F - Fall
MET	0298	Topics in Manufacturing Technology	BA	1	8	Special topics in new or emerging manufacturing technology not normally included in another course. Prerequisites specified by the department in a course syllabus.	D - Demand
MET	0304	CNC Project and Cost Analysis	BA	3		This course will focus on the development of a CNC project applying the principles of design, material selection, cost analysis, planning, and numerical control concepts, including vertical machining centers and turning centers, numerical control programming, and proofing. Students will gain an understanding of basic project management skills as well as project realization. Two hours lecture, two hours lab. Prerequisites: students must have MET 200, MET 240 or MET 245, IET 300 and DDET 115.	F - Fall
MET	0330	Automation Maintenance and Troubleshooting	BA	3		The course is designed to provide students with the methods and skills to maintain and repair automation. Topics covered will be preventative maintenance, fault analysis, and problem solving mechanical breakdowns. Students will review best practices and apply on lab automation systems. Two hours lecture, two hours lab. Prerequisite: MET 210 and MET 220.	S - Spring
MET	0491	Internship in Manufacturing Engineering Technology	BA	1	3	This course is intended to provide the student with "real-world professional" experience in the area of Manufacturing by working with an external organization. The Engineering Technology department has several placement opportunities available to students. Students interested in pursuing an internship must start the application process the semester before they intend to work. Prerequisites: 60 hours, 3.0 GPA minimum, and department approval. Repeatable up to six credit hours.	D - Demand
MET	0498	Adv. Topics Mfg. Technology	BA	1	3	Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.	D - Demand
MET	0499	Independent Study in MT	BA	1	3	Individually directed reading, research, and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth, and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head, and school dean.	D - Demand
MGMT	0237	Using Information Systems	BA	3		Principles of information systems in the business environment. This course provides a basic understanding of data manipulation, evaluation and summarization to be used in the decision making process. Includes file management skills, Internet skills and the use of Microsoft Office programs. Prerequisite: Basic knowledge of the Windows operating system.	F - Fall S - Spring
MGMT	0337	Management Information Systems	BA	3		The course is designed to examine the use of information systems to support the management and business activities of an organization. The topics include: the fundamentals of hardware and software, database management, data communications, transaction processing information systems, decision support systems, information reporting systems, office automation, networks, tapping the internet, expert systems, problem analysis, system analysis and design, and current and future management information system trends.	F - Fall S - Spring
MGMT	0350	Fundamentals of Organizational Management	BA	3		A study of the fundamentals and functions of organizational management including planning, decision making, organization, leading, and controlling from individual and group behavior perspectives. Prerequisite: ENG 101/102 or equivalent. Cross-listed as HS 350.	F - Fall S - Spring SU - Summer

MGMT	0352	Human Resources Management	BA	3		Human Resource Management includes the principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MGMT 350 or consent of instructor.	F - Fall S - Spring SU - Summer
MGMT	0354	Quality Management	BA	3		Quality Management (QM) is an overview of an evolving philosophy for continuous improvement of products, processes, and services to enhance quality while reducing costs. It is a management/technical/cultural approach to the integration of all systems and processes of an enterprise to achieve "customer" satisfaction. Prerequisites: MGMT 350, or consent of instructor.	F - Fall S - Spring SU - Summer
MGMT	0411	Employment Law	BA	3		A primary emphasis on the legal regulation of employment, including Title VII of the Civil Rights Act, the Americans with Disabilities Act, the Age Discrimination in Employment Act, and the Equal Pay Act. Areas covered include race, color, gender, age, religion and disability discrimination, as well as sexual harassment, retaliation claims, affirmative action, workers' compensation, and privacy issues. A secondary emphasis is on the National Labor Relations Act, including union organizing, unfair labor practices, and collective bargaining agreements. Prerequisite: Junior standing, MGMT 352.	F - Fall S - Spring
MGMT	0431	Operations Management	BA	3		Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design, and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321.	F - Fall S - Spring SU - Summer
MGMT	0441	Organizational Behavior	BA	3		The purpose of this course is to introduce the student to the study of individual and group behavior within an organization. Current and emerging theoretical and practical knowledge for understanding topics such as motivation, leadership, managerial decision-making, group processes, and conflict resolution. Prerequisite: MGMT350.	D - Demand
MGMT	0445	Compensation and Benefits Management	BA	3		This course studies the principles and practices of compensation and benefit management, with an emphasis on strategic analysis, as well as current human resource theory and practices. The course examines the field of compensation and benefits by addressing both intrinsic and extrinsic issues as well as the basis for compensation, compensation systems, benefits, executive compensation, and the international implications of the global economy. Prerequisites: MGMT 350, MGMT 352 and GB 321 or consent of the instructor.	D - Demand
MGMT	0447	Employee Training and Development	BA	3		An examination of current practices and research in the area of employee training and development to include needs analysis, instructional design, and the evaluation of training in organizations. Additional course topics include the strategic role of training, learning management, knowledge management, as well as employee and career development. Prerequisites: MGMT 350 and MGMT 352.	D - Demand F - Fall S - Spring
MGMT	0452	Strategic Management	BA	3		A capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation, and control using computer simulation and/or the case method approach. MGMT 452 should be taken during the last semester of university work. Prerequisites: Senior standing, MRKT 300, MGMT 350 and FIN 350.	F - Fall S - Spring SU - Summer
MGMT	0491	Internship in Management	BA	1	6	An internship for senior management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 60 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.	D - Demand
MGMT	0498	Topics in Management	BA	1	3	For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.	D - Demand
MGMT	0499	Independent Study in Management	BA	1	6	Individually directed readings, research and discussion in selected areas of Management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.	D - Demand
MGMT	0552	Strategic Management	BA	3		In-depth analysis of industries and competitors, and how to build and defend sustainable competitive advantages in forming a successful competitive strategy. Case analysis and management simulation convey the multifunctional nature of decision making at the top management level. Augmented by live-case analyses.	F - Fall
MGMT	0637	Data Analysis & Decision Making	BA	3		Introduces the student to the analysis of problems for business decision making. The course covers data analysis, business modeling and simulation of complex problems. Students will utilize Excel for analysis, modeling and simulation.	F - Fall
MGMT	0650	Contemporary Organizational Management	BA	3		This course explores challenges in managing organizations and leading employees in a dynamic environment. Concepts covered include, planning, organizing, leading and controlling as well as advanced theories of organizational behavior.	F - Fall
MGMT	0652	Applied Human Resources	BA	3		This course takes an in-depth look at human resource management functions all managers perform in today's workplace. Topics covered include human resource activity design, administration and evaluation as well as employment law, diversity, and international human resource management.	S - Spring
MGMT	0741	Leadership and Ethics	BA	3		This course examines leadership from both classical and contemporary leadership theories and practices. Special emphasis will be placed on understanding transformational leadership, team leadership, leadership ethics, and leading in culturally diverse environments. The course examines the ethical issues and dilemmas managers face. Additional course work will provide a framework for analysis of management-related ethical issues and decision-making action required for satisfactory resolution of these issues.	S - Spring

MGMT	0743	Recruitment and Retention	BA	3		This course explores legal issues, measurement, reliability, and validity, job analysis, performance assessment, and recruitment. Students will learn strategies for employee recruitment and development, performance management, succession planning and retention, career management and leadership development.	S - Spring
MGMT	0745	Contemporary Compensation	BA	3		This course examines the financial reward systems of organizations as well as studies of theoretical and legal perspectives in business to include: job evaluation, wage surveys, incentives, pay equity, benefits, and compensation strategy.	F - Fall
MGMT	0747	Perm Imp, Training and Develop	BA	3		This course focuses on the assessment of human performance problems in contemporary organizations. The design, development, implementation and evaluation of training programs is discussed. Students will become proficient in current training evaluation systems as well as the ISD & ADDIE models.	F - Fall
MGMT	0749	Strategic HR Management	BA	3		This course explores the design and execution of human resource management from a strategic perspective. The advanced human resource student will learn how to systematically and strategically utilize human resource management theory and assets in the implementation of HR policies to achieve competitive advantages.	F - Fall
MGMT	0791	Applied Research	BA	3		This course is designed to provide an understanding of how research methods are used to enable managers to make better decisions. Students will have an understanding of how to formulate a problem, choose a research method, data collection, data analysis and presentation of the findings.	F - Fall S - Spring
MGMT	0798	Advanced Topics in Management	BA	0	3	For graduate students. Topics to be announced each time the course is offered. Prerequisite: Instructor permission	D - Demand
MGMT	0799	Independent Study in Mgmt	BA	3		Individually directed readings, research and discussion in selected areas of Management for graduate students. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Instructor permission.	D - Demand
ML	0150	East Asian Culture China&Japan	AS	3		Introductory survey of the culture of China and Japan. Emphasis on the analysis of cultural patterns that affect people's linguistic aspects of life. The course will be conducted in English. This course partially fulfills modern language requirement for BA students. Prerequisite: None.	S - Spring
MRKT	0300	Principles of Marketing	BA	3		Survey of major marketing methods, institutions, and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research, and marketing cost are treated from the standpoint of consumers, middlemen, and manufacturers. Prerequisite: ENG 101 and ENG 102.	F - Fall S - Spring SU - Summer
MRKT	0312	Retail Management	BA	3		This course will review the principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion, and review of the retail environment with analytic and research methods applicable to retail problems. Retailing is a high tech, global, growth industry and the retail manager uses creativity and analytical skills to be successful in this dynamic world. Prerequisite: MRKT 300.	S - Spring UO - Summer-Odd
MRKT	0321	Professional Sales and Sales Management	BA	3		This covers the principles, methods, and techniques of effective professional strategic and consultative selling as well as the management of a professional sales staff. Prerequisite: MRKT 300.	F - Fall S - Spring
MRKT	0401	Integrated Marketing Communications	BA	3		This course examines the planning, development, and execution of integrated marketing communication programs with a focus on the promotional aspects of the marketing mix. Both traditional and online applications of marketing strategies are studied as they pertain to achieving an organization's goals and objectives. The analysis of advertising media, the preparation of advertising programs, and the formulation of campaigns are included in the course. Prerequisite: MRKT 300.	S - Spring UE - Summer-Even
MRKT	0405	eMarketing	BA	3		Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation including web site construction, email and social media marketing. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications; also gives students hands on experience with relevant software. Prerequisites: MRKT 300 and MGMT 237 (or equivalent).	F - Fall S - Spring SU - Summer
MRKT	0432	Consumer Behavior	BA	3		This course is an interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resulting purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MRKT 300.	F - Fall S - Spring UD - Summer-Demand
MRKT	0470	Marketing Research	BA	3		The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research, and attitude research. Prerequisites: GB 321 and six hours of marketing.	F - Fall S - Spring
MRKT	0472	Marketing Strategy	BA	3		Strategic aspects of marketing: problems involved in environmental scanning, goal setting, planning, and strategies as they apply to product and service policy, financial objectives, promotional objectives, distribution policy, and marketing intelligence. Prerequisites: Senior standing, MRKT 432, MRKT 470, MGMT 350 and FIN 350.	F - Fall S - Spring UD - Summer-Demand
MRKT	0491	Internship in Marketing	BA	1	6	An internship for senior marketing students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 60 hours, 3.0 GPA and department approval. Repeatable up to six credit hours.	D - Demand
MRKT	0498	Advanced Topics in Marketing	BA	1	3	For upper-division students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.	D - Demand



MRKT	0499	Independent Study in Marketing	BA	1	6	Individually directed readings, research and discussion in selected areas of Marketing for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA. Repeatable up to six credit hours.	D - Demand
MRKT	0752	Bus Strategy & Value Creation	BA	3		This course requires students to understand and utilize the principles of strategy and marketing to create organizational value. Lectures and cases will be used to acquaint the student with strategy and marketing concepts. A final project integrating these concepts is required.	F - Fall
MT	0401	Clinical Chemistry	HS	10		Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation, and special procedures. Five hours lecture, twenty hours clinic/lab per week.	S - Spring
MT	0402	Clinical Microscopy	HS	1		Principles and techniques of the physical, chemical, and microscopic examination of urine and other excrete as related to disease processes. One hour lecture, clinic by arrangement.	S - Spring
MT	0403	Clinical Hematology	HS	6		The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation, and hemorrhagic disorders. Three hours lecture, twelve hours clinic/lab per week.	F - Fall
MT	0404	Clinical Serology-Immunology	HS	3		The science of immunity including antibody development, principles of antigen-antibody interactions, and techniques of serological testing for various disease states. Three hours lecture, twelve hours clinic/lab per week.	S - Spring
MT	0405	Clinical Microbiology	HS	7		Sterile technique, methods of handling and inoculating specimens containing pathogenic micro-organisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology, and parasitology. Four hours lecture, twelve hours clinic/lab per week.	S - Spring
MT	0406	Clinical Immunohematology-Blood Bank	HS	3		Blood group systems and the immune response. Methods of crossmatching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hour lecture, eight hours clinic/lab per week.	S - Spring
MT	0407	Special Topics in Medical Technology	HS	2		Lecture and/or clinical practice in the areas of in-service education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.	S - Spring
MUS	0101	Jazz Styles & Appreciation	AS	3		This survey course is geared to the non-musician and explores the stylistic periods of jazz as well as its most influential performers, starting with its roots in the music of West Africa through the years of Dixieland, Swing, Bebop, Cool, and Progressive Jazz. Music literature, style, and performance are examined, along with the lives of significant composers/musicians and their impact on the cultural, philosophical, and aesthetic issues of their day.	S - Spring
MUS	0102	Opera or Musical Theatre Performance	AS	1		Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)	D - Demand
MUS	0103	Class Piano I	AS	1		Beginning piano for majors with little or no background. Emphasis on keyboard orientation, intervallic reading and I, IV, V chord structures.	F - Fall
MUS	0104	Class Piano II	AS	1		A continuation of Class Piano 103. Emphasis on improving reading skills and musicianship. Includes elementary repertoire, harmonization and accompaniment. Prerequisite: MUS 103 or approval of instructor	S - Spring
MUS	0105	Voice Class	AS	1		Instruction and practice in singing intended for non-voice majors. This course will emphasize vocal technique, such as breathing and resonance, and will involve individual performances for the class in various styles. Prerequisites: None.	SO - Spring-Odd
MUS	0106	World Music	AS	3		An ethnomusical survey of select indigenous musics and their cultures. The musical cultures selected for study are not those found in Eurocentric (Western art) musics. There are no prerequisites. MOTR: MUSC 102	F - Fall S - Spring
MUS	0107	Aural Skills I	AS	1		Basic fundamentals of ear training, sight-signing, harmonic and rhythmic dictation. Course for music majors; others by consent of instructor. Students must pass an aural skills placement exam or complete Fundamentals of Music.	F - Fall
MUS	0108	Aural Skills II	AS	1		Sequential class on ear training, sight-signing, harmonic and rhythmic dictation. Course for music majors; others by consent of instructor. Students must pass MUS 0107 Aural Skills I or the appropriate aural skills placement exam.	S - Spring
MUS	0110	Music Appreciation	AS	3		A survey of masterpieces of Western musical literature; intended for non-music majors. MOTR: MUSC 100	F - Fall S - Spring SU - Summer
MUS	0111	Music Theory I	AS	3		Basic fundamentals of music with initiation of harmonic analysis, and part-writing. Course for music majors; others by consent of instructor. Students must pass a music theory placement exam as administered by the Music Department.	F - Fall
MUS	0112	Music Theory II	AS	3		Sequential course in written harmonic analysis, and part-writing. Course for music majors; others by consent of instructor. Students must pass a MUS 0111 Music Theory II or appropriate music theory placement exam.	S - Spring
MUS	0114	Elective in Jazz Improvisation	AS	1		A performance-oriented lab in jazz combo and small ensemble settings which includes study of chord types, scales, chord progressions, standard literature, and transcription. Course may be taken eight times for credit.	F - Fall S - Spring

MUS	0116	Applied Music Brass Elective	AS	1	Applied Music Brass Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0118	Applied Music Brass Elective	AS	2	Applied Music Brass Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0121	Concert Chorale	AS	1	Open to all university students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0123	Chamber Singers	AS	1	Chamber Singers, the premier chamber choral ensemble at MSSU, provides the serious singer the opportunity to prepare and present a variety of musical styles spanning all historical periods, choral genres, and cultural perspectives. This ensemble represents the university through regular public performances, recruitment touring, and tours abroad. Although this class meets/rehearses three days a week for the aforementioned hours, some outside rehearsals will be required. Prerequisite: Audition at the start of the semester during the first week of classes. Co-requisite: Enrollment in Concert Chorale MUS 121, 321 (F) and 122, 322 (S) and 1-2 credits of Applied Music Major Voice MUS 267, 467 (F) and MUS 268, 468 (S) or Applied Music Elective Voice MUS 166, 366 (F-1cr) and MUS 165, 365 (S-1cr) or MUS 168, 368 (F-2cr) and MUS 167, 367 (S-2cr).	F - Fall
MUS	0126	Applied Music Piano Elective	AS	1	Applied Music Piano Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0128	Applied Music Piano Elective	AS	2	Applied Music Piano Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0133	Opera	AS	2	History, production, and performance of one act operas, operatic excerpts, musicals, and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that year.	D - Demand
MUS	0136	Applied Music Percussion Elective	AS	1	Applied Music Percussion Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0138	Applied Music Percussion Elective	AS	2	Applied Music Percussion Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0141	Jazz Orchestra	AS	1	A jazz ensemble open to all students who are qualified instrumentalists. The Jazz Orchestra will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Course may be taken six times for credit. Co-requisite: MUS 191.	F - Fall SU - Summer
MUS	0146	Applied Music String Elective	AS	1	Applied Music String Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0148	Applied Music String Elective	AS	2	Applied Music String Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0151	Orchestra	AS	1	Open to all qualified students who play orchestral instruments. Rehearsal and public performance of standard orchestral literature. Prerequisites: Permission of director of orchestra. Course may be taken six times for credit.	F - Fall
MUS	0156	Applied Music Woodwind Elective	AS	1	Applied Music Woodwind Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0158	Applied Music Woodwind Elective	AS	2	Applied Music Woodwind Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0161	Madrigal Singers	AS	1	Madrigal Singers provides the singer, and the aspiring choral conductor, the opportunity to experience the type of music known as the "Renaissance Madrigal", specifically, and/or music from a variety of periods that reflect the part-writing, spirited texts, and performance practice most closely associated with the popular music genre originating in the 16th century. The emphasis of this ensemble is twofold: 1) To give the singer the necessary foundation in small ensemble choral singing, insofar as the performance practice of this type of music, and 2) to provide the upperclassman choral conductor the tangible opportunity to plan, rehearse, and conduct an organized choral ensemble, in a lab-like format, which might serve as a useful experience in preparation for future teaching and conducting. Attention to high performance standards and rigorous rehearsals is the cornerstone of this ensemble. Audition only, concurrent enrollment in Concert Chorale MUS 121.	F - Fall
MUS	0162	Madrigal Singers	AS	1	Madrigal Singers provides the singer, and the aspiring choral conductor, the opportunity to experience the type of music known as the "Renaissance Madrigal", specifically, and/or music from a variety of periods that reflect the part-writing, spirited texts, and performance practice most closely associated with the popular music genre originating in the 16th century. The emphasis of this ensemble is twofold: 1) To give the singer the necessary foundation in small ensemble choral singing, insofar as the performance practice of this type of music, and 2) to provide the upperclassman choral conductor the tangible opportunity to plan, rehearse, and conduct an organized choral ensemble, in a lab-like format, which might serve as a useful experience in preparation for future teaching and conducting. Attention to high performance standards and rigorous rehearsals is the cornerstone of this ensemble. Audition only, concurrent enrollment in Concert Chorale MUS 121.	S - Spring
MUS	0166	Applied Music Voice Elective	AS	1	Applied Music Voice Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0168	Applied Music Voice Elective	AS	2	Applied Music Voice Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0171	Brass Choir	AS	1	Open to all students with band instrument experience. Performance of literature for brass ensemble. Each class may be taken six times for credit.	D - Demand F - Fall S - Spring
MUS	0176	Applied Music Elective: Composition	AS	1	Applied Music Elective: Composition is a course in the private lesson format similar to other Applied Music Offerings (brass, piano, percussion, string, woodwind, and voice). Lower division applied music offerings may be taken six times for credit.	F - Fall

MUS	0181	Introduction to Conducting: Choral Emphasis	AS	2		The three primary objectives of this course are to prepare the mind, train the body, and cultivate the soul so that each conductor may clearly, artistically, and powerfully communicate with members of an ensemble. Each student will learn fundamentals of conducting and how to apply those skills specifically in the choral setting, while also having the chance to do that in the instrumental setting. Individual conducting skills will be developed through in-class conducting opportunities and out-of-class practice. Baton technique and non-baton technique, along with factors in interpretation, score reading, and rehearsal procedures for both vocal and instrumental organizations, with specific focus on the choral ensemble, will be the focus of this introductory course. 2-hours of lecture, with a 1-hour lab per week. Prerequisite: MUS 211.	FO - Fall-Odd
MUS	0182	Introduction to Conducting: Instrumental Emphasis	AS	2		The three primary objectives of this course are to prepare the mind, train the body, and cultivate the soul so that each conductor may clearly, artistically, and powerfully communicate with members of an ensemble. Each student will learn fundamentals of conducting and how to apply those skills specifically in the instrumental setting, while also having the chance to do that in the choral setting. Individual conducting skills will be developed through in-class conducting opportunities and out-of-class practice. Baton technique and non-baton technique, along with factors in interpretation, score reading, and rehearsal procedures for both instrumental and vocal organizations, with specific focus on the instrumental ensemble, will be the focus of this introductory course. 2-hours of lecture, with a 1-hour lab per week. Prerequisite: MUS 211.	FO - Fall-Odd
MUS	0183	Percussion Ensemble	AS	1		Select chamber ensemble open to percussion majors and other qualified percussionists. Includes the study and performance of a cross-section of literature for percussion ensemble to include classical, popular, and ethnic styles. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0185	Woodwind Chamber Ensemble	AS	1		Select chamber ensemble open to woodwind majors and other qualified woodwind performers. Includes the study and performance of literature for various woodwind ensembles including classical, romantic and 20th century music. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0187	Wind Ensemble	AS	1		This select ensemble is open to instrumental music majors and non-majors of qualified musical ability. The ensemble will study and perform challenging wind ensemble and symphonic band literature from the baroque, classical, romantic, and 20th century contemporary music. The ensemble will prepare and present several concerts during the year. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0191	Marching Band	AS	1		Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Course may be taken two times for credit.	F - Fall
MUS	0192	Concert Band	AS	1		Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Course may be taken two times for credit.	S - Spring
MUS	0202	Opera or Musical Theatre Performance	AS	1		Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)	D - Demand
MUS	0203	Class Piano III	AS	1		A continuation of Class Piano 104. Emphasis on developing the skills required to pass the Piano Proficiency Exam. Repeatable until piano proficiency is achieved. Prerequisite: MUS 104 or approval of the instructor.	F - Fall S - Spring
MUS	0211	Music Theory III	AS	3		Secondary dominant functions, augmented sixth chords, advanced chromatic and enharmonic modulation, introduction to contemporary styles, and short original compositions. Prerequisite: MUS 112.	F - Fall
MUS	0212	Music Theory IV	AS	3		A study of selected contemporary styles: pan-triadie, bitonal and poly-chordal, quartal harmony, pandiatonicism, serial techniques and short original compositions. Prerequisite: MUS 211.	S - Spring
MUS	0214	Elective in Jazz Improvisation	AS	2		A performance-oriented lab in jazz combo and small ensemble settings which includes study of chord types, scales, chord progressions, standard literature, and transcription. Course may be taken eight times for credit.	F - Fall S - Spring
MUS	0218	Applied Music Brass Major	AS	2		Applied Music Brass Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0220	Italian & German Vocal Diction	AS	2		Applied voice students receive instruction in the correct pronunciation of Italian and German, as used in the study of vocal literature.	FO - Fall-Odd
MUS	0221	French & English Vocal Diction	AS	2		Applied voice students receive instruction in the correct pronunciation of French and English, as used in the study of vocal literature.	SE - Spring-Even
MUS	0228	Applied Music Piano Major	AS	2		Applied Music Piano Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0231	String Techniques	AS	1		Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.	SE - Spring-Even
MUS	0232	Brass Techniques	AS	1		Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.	FO - Fall-Odd
MUS	0233	Percussion Techniques	AS	1		Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students. Not open to percussion majors.	SO - Spring-Odd
MUS	0234	Woodwind Techniques	AS	1		Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.	FE - Fall-Even

MUS	0238	Applied Music Percussion Major	AS	2		Applied Music Percussion major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0240	Recital Attendance	AS	0		Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. BSE majors may take the course seven times for credit; BA performance majors may take the course eight times for credit, BA music industry majors may take the course four times for credit.	F - Fall S - Spring
MUS	0243	Musical Theatre	AS	3		History, production, and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course also offered under Th 243.	FO - Fall-Odd
MUS	0248	Applied Music String Major	AS	2		Applied Music String Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0258	Applied Music Woodwind Major	AS	2		Applied Music Woodwind Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0268	Applied Music Voice Major	AS	2		Applied Music Voice Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0298	Topics in Music	AS	1	3	Study of special topics in music not included in another course. Prerequisite: Permission of instructor.	D - Demand
MUS	0302	Opera or Musical Theatre Performance	AS	1		Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)	D - Demand
MUS	0311	History of Music I	AS	3		General survey of history of music from Greek period to 18th century. Prerequisite: MUS 112.	FO - Fall-Odd
MUS	0312	History of Music II	AS	3		From 18th century to the present. Score reading required. Prerequisite: MUS 112.	SE - Spring-Even
MUS	0316	Applied Music Brass Elective	AS	1		Applied Music Brass Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0318	Applied Music Brass Elective	AS	2		Applied Music Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0320	Vocal Repertoire	AS	2		Applied voice students are exposed to various musical repertoire styles and genres. Students will both research and perform repertoire unfamiliar to them in order to expand their understanding of vocal repertoire. Prerequisites: MUS 111 and MUS 112.	FE - Fall-Even
MUS	0321	Concert Chorale	AS	1		Open to all university students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0323	Chamber Singers	AS	1		Chamber Singers, the premier chamber choral ensemble at MSSU, provides the serious singer the opportunity to prepare and present a variety of musical styles spanning all historical periods, choral genres, and cultural perspectives. This ensemble represents the university through regular public performances, recruitment touring, and tours abroad. Although this class meets/rehearses three days a week for the aforementioned hours, some outside rehearsals will be required. Prerequisite: Audition at the start of the semester during the first week of classes. Co-requisite: Enrollment in Concert Chorale MUS 121, 321 (F) and 122, 322 (S) and 1-2 credits of Applied Music Major Voice MUS 267, 467 (F) and MUS 268, 468 (S) or Applied Music Elective Voice MUS 166, 366 (F-1cr) and MUS 165, 365 (S-1cr) or MUS 168, 368 (F-2cr) and MUS 167, 367 (S-2cr).	F - Fall
MUS	0326	Applied Music Piano Elective	AS	1		Applied Music Piano Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0328	Applied Music Piano Elective	AS	2		Applied Music Piano Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0330	Vocal Technique & Pedagogy	AS	2		Vocal Pedagogy is an introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy of the vocal instrument, breathing and phonation, vocal acoustics, and pedagogical approaches to training the singing voice. Common vocal problems will be discussed. Prerequisites: MUS 111 and MUS 112.	SO - Spring-Odd
MUS	0332	Music for the Elementary School	AS	1		This course develops the music skills necessary to integrate music content and musical skills within the elementary school curriculum. The course will also equip the future elementary classroom teacher to teach fundamental music concepts and skills for the purpose of developing student musicianship. Students must be an Elementary Education major (this course is not for Music Majors).	F - Fall S - Spring
MUS	0333	Pre-Kindergarten through Middle School General Music Methods	AS	3		Fundamental principles and procedures of music education in elementary and middle school. Restricted to music majors and advanced music students. Students are required to observe elementary and middle school music classrooms for 5 clock hours to evaluate teaching techniques in five categories. Prerequisite: MUS 0112.	SE - Spring-Even
MUS	0336	Applied Music Percussion Elective	AS	1		Applied Music Percussion Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0338	Applied Music Percussion Elective	AS	2		Applied Music Percussion Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0341	Jazz Orchestra	AS	1		A jazz ensemble open to all students who are qualified instrumentalists. The Jazz Orchestra will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Course may be taken six times for credit. Co-requisite: MUS 391.	F - Fall SU - Summer
MUS	0346	Applied Music String Elective	AS	1		Applied Music String Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0348	Applied Music String Elective	AS	2		Applied Music String Elective (Private Lessons). Course may be taken six times for credit.	F - Fall

MUS	0351	Orchestra	AS	1	Open to all qualified students who play orchestral instruments. Rehearsal and public performance of standard orchestral literature. Prerequisites: Permission of director of orchestra. Course may be taken six times for credit.	F - Fall
MUS	0356	Applied Music Woodwind Elective	AS	1	Applied Music Woodwind Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0358	Applied Music Woodwind Elective	AS	2	Applied Music Woodwind Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0361	Madrigal Singers	AS	1	Madrigal Singers provides the singer, and the aspiring choral conductor, the opportunity to experience the type of music known as the "Renaissance Madrigal", specifically, and/or music from a variety of periods that reflect the part-writing, spirited texts, and performance practice most closely associated with the popular music genre originating in the 16th century. The emphasis of this ensemble is twofold: 1) To give the singer the necessary foundation in small ensemble choral singing, insofar as the performance practice of this type of music, and 2) to provide the upperclassman choral conductor the tangible opportunity to plan, rehearse, and conduct an organized choral ensemble, in a lab-like format, which might serve as a useful experience in preparation for future teaching and conducting. Attention to high performance standards and rigorous rehearsals is the cornerstone of this ensemble. Audition only, concurrent enrollment in Concert Chorale MUS 321 (F).	F - Fall
MUS	0362	Madrigal Singers	AS	1	Madrigal Singers provides the singer, and the aspiring choral conductor, the opportunity to experience the type of music known as the "Renaissance Madrigal", specifically, and/or music from a variety of periods that reflect the part-writing, spirited texts, and performance practice most closely associated with the popular music genre originating in the 16th century. The emphasis of this ensemble is twofold: 1) To give the singer the necessary foundation in small ensemble choral singing, insofar as the performance practice of this type of music, and 2) to provide the upperclassman choral conductor the tangible opportunity to plan, rehearse, and conduct an organized choral ensemble, in a lab-like format, which might serve as a useful experience in preparation for future teaching and conducting. Attention to high performance standards and rigorous rehearsals is the cornerstone of this ensemble. Audition only, concurrent enrollment in Concert Chorale MUS 321.	S - Spring
MUS	0366	Applied Music Voice Elective	AS	1	Applied Music Voice Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0368	Applied Music Voice Elective	AS	2	Applied Music Voice Elective (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0371	Brass Choir	AS	1	Open to all students with band instrument experience. Performance of literature for brass ensemble. Course may be taken six times for credit.	FD - Fall-Demand
MUS	0376	Applied Music Elective: Composition	AS	1	Applied Music Elective: Composition is a course in the private lesson format similar to other Applied Music Offerings (brass, piano, percussion, string, woodwind, and voice). Upper division applied music offerings may be taken six times for credit.	F - Fall
MUS	0383	Percussion Ensemble	AS	1	Select chamber ensemble open to percussion majors and other qualified percussionists. Includes the study and performance of a cross-section of literature for percussion ensemble to include classical, popular, and ethnic styles. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0385	Woodwind Chamber Ensemble	AS	1	Select chamber ensemble open to woodwind majors and other qualified woodwind performers. Includes the study and performance of literature for various woodwind ensembles including classical, romantic and 20th century music. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0387	Wind Ensemble	AS	1	This select ensemble is open to instrumental music majors and non-majors of qualified musical ability. The ensemble will study and perform challenging wind ensemble and symphonic band literature from the baroque, classical, romantic, and 20th century contemporary music. The ensemble will prepare and present several concerts during the year. Prerequisite: Permission of instructor. Course may be taken six times for credit.	F - Fall
MUS	0391	Marching Band	AS	1	Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Course may be taken two times for credit.	F - Fall
MUS	0392	Concert Band	AS	1	Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Course may be taken two times for credit.	S - Spring
MUS	0402	Opera or Musical Theatre Performance	AS	1	Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)	D - Demand
MUS	0403	Introduction to Live and Recorded Sound	AS	3	Intended for music majors or minors. Introduction to hardware and software for live sound reinforcement and studio recording environments. Includes hands on experience with sound systems, microphones, speakers, mixing boards, and related electronics. Includes use of software for live and recorded sound productions. Prerequisite: Junior standing or permission of the instructor.	SE - Spring-Even



MUS	0408	MS-Sec Choral Music Methods	AS	3		Designed to formulate principles for directing middle school and secondary choral ensembles. Topics include the history/philosophy of choral singing in America; vocal technique within the choral rehearsal; choral decorum regarding tone, diction, intonation, balance, blend, musicality, and stage deportment; principles of IPA; the changing voice; the development and evaluation of a choral program; concert programming; choral score study; and rehearsal techniques. Podium time for ensemble vocalization and rehearsal, along with 5 hours of onsite observation, will provide the aspiring choral conductor the opportunity for guided experience, and see its practicality firsthand, when conducting middle school and secondary choral ensembles. Prerequisite: MUS 182.	SO - Spring-Odd
MUS	0409	Choral Literature	AS	2		Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: MUS 211.	SE - Spring-Even
MUS	0410	Music Industry & Copyright	AS	2		For music majors or related minors. Includes the study of career paths within the music industry, networking, copyright and intellectual property issues and music industry resources. Prerequisites: MUS 112, junior standing or permission of instructor.	D - Demand FE - Fall-Even
MUS	0411	Marching Band Methods	AS	2		Procedures needed in organization, promotion, equipping, rehearsing, and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Co-requisite: MUS 391.	FO - Fall-Odd
MUS	0412	Music Technology	AS	3		For music majors or related minors. Includes the study of music notation programs, midi programs and sequencing, audio editing, recording techniques and applications and applications of technology. Prerequisites: MUS 112, junior standing or permission of instructor.	D - Demand SO - Spring-Odd
MUS	0413	Middle School/Secondary Instrumental Music Methods	AS	3		Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy, and psychology as they relate to instrumental music education. Prerequisite: MUS 182.	FE - Fall-Even
MUS	0415	Woodwind Literature & Pedagogy	AS	3		In this course students will study the major works written for the instruments of the woodwind family, as well as study of the more advanced concepts and techniques fundamental to teaching the instruments of the woodwind family. Pre-requisite: MUS 212 Music Theory IV.	S - Spring
MUS	0418	Applied Music Brass Major	AS	2		Applied Music Brass Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0420	Form and Analysis	AS	3		Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: MUS 212.	FO - Fall-Odd
MUS	0428	Applied Music Piano Major	AS	2		Applied Music Piano Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0433	Instrumental & Vocal Arranging	AS	3		An in-depth study of wind, string, and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: MUS 211.	SE - Spring-Even
MUS	0438	Applied Music Percussion Major	AS	2		Applied Music Percussion Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0443	Advanced Choral Conducting	AS	2		Conducting techniques specifically related to choral music. Prerequisite: MUS 182	SO - Spring-Odd
MUS	0444	Advanced Instrumental Conducting Techniques	AS	2		Conducting skills, including irregular beat patterns, advance technical problems, and methods developed for solving them. Prerequisite: MUS 182.	FE - Fall-Even
MUS	0448	Applied Music String Major	AS	2		Applied Music String Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0450	Senior Recital	AS	0		A solo recital is required of all music majors. The recital is to be given within the last year of residency. Co-requisite: MUS 417, 427, 437, 447, 467, 418, 428, 438, 448, 458, or 468.	F - Fall S - Spring
MUS	0458	Applied Music Woodwind Major	AS	2		Applied Music Woodwind Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0468	Applied Music Voice Major	AS	2		Applied Music Voice Major (Private Lessons). Course may be taken six times for credit.	F - Fall
MUS	0491	Internship in Music Industry	AS	3	4	For music majors. Includes the application of materials and fundamentals in a real world experience. Students will choose from the areas of: arts or artist management, music retail, arts related manufacturing and sales, recording industry and technology, theatrical industry and contemporary church music ministry for cooperative experience. Prerequisites: MUS 410, MUS 412, MGMT 350. Course may be repeated one time for a maximum of six credit hours.	F - Fall S - Spring SU - Summer
MUS	0498	Advanced Topics in Music	AS	1	3	For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.	D - Demand
MUS	0499	Independent Study	AS	1	3	Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See General Regulations in the catalog.	F - Fall S - Spring
NURS	0301	Transitions in Nursing	HS	3		This course will assist the Registered Nurse student to examine the role of a baccalaureate degree prepared nurse in a changing health-care environment. The student will have the opportunity to integrate current nursing practice, philosophy, concepts, and theories into his/her professional practice. Offered online only. Prerequisite: Admission to the nursing program and registered nurse licensure.	F - Fall S - Spring

NURS	0305	Pharmacology in Nursing	HS	3		This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Concurrent and subsequent courses will provide opportunity for clinical application of principles of pharmacology taught in this course. Prerequisite: Admission to the nursing program and concurrent with NURS 310, and NURS 320.	F - Fall S - Spring
NURS	0310	Health Assessment and Technologies	HS	5		Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hours lecture and six hours lab per week. Prerequisite: Admission to the nursing program and concurrent with NURS 305 and NURS 320.	F - Fall S - Spring
NURS	0320	Adult Nursing I	HS	7		Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hours lecture and nine hours clinical per week. Prerequisite: Admission to the nursing program and concurrent enrollment in NURS 305 and NURS 310.	F - Fall S - Spring
NURS	0340	Nursing Care of the Childbearing Family	HS	4		Focuses on health promotion of the developing family and nursing care of the maternity client with variances of health. Three (3) hours of lecture and three (3) hour clinical per week. Prerequisites: NURS 305, NURS 310, and NURS 320 with a minimum GPA of 2.0 and concurrent with NURS 360, NURS 370, and NURS 380.	F - Fall S - Spring
NURS	0360	Mental Health Nursing	HS	4		Focuses on assessment, promotion of mental health, and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hours lecture, six hours of clinical per week. Prerequisites: Minimum 2.0 GPA in prior semester in NURS 305, NURS 310, and NURS 320 and concurrent with NURS 340, NURS 370 and NURS 380.	F - Fall S - Spring
NURS	0370	Gerontologic Nursing	HS	3		Focuses on the normal aging process and common health variances of the older person. Three hours lecture per week. Prerequisites: Minimum 2.0 GPA in prior semester in NURS 305, NURS 310, and NURS 320 and concurrent with NURS 340, NURS 360 and NURS 370 or RN status with permission of instructor.	F - Fall S - Spring
NURS	0380	Nursing Care of the Child and Family	HS	4		Focuses on health promotion of the developing family and nursing care of the pediatric client with variances of health. Three (3) hours of lecture and three (3) hours of clinical per week. Prerequisites: NURS 305, NURS 310, and NURS 320 with a minimum GPA of 2.0 and concurrent with NURS 340, NURS 360 and NURS 370.	F - Fall S - Spring
NURS	0400	Complex Nursing	HS	6		Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Three hours lecture, nine hours of clinical per week. Prerequisites: Minimum of 2.0 GPA in prior semester in NURS 340, NURS 360, NURS 370, and NURS 380 and concurrent with NURS 420 and NURS 430.	F - Fall S - Spring
NURS	0420	Nursing Ethics and Informatics	HS	3		Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse including issues related to informatics in healthcare are explored. Three hours lecture per week. Prerequisites: Minimum 2.0 GPA in prior semester in NURS 301 (RNs only), NURS 340, NURS 360, NURS 370, and NURS 380 and concurrent with NURS 400 and NURS 430.	F - Fall S - Spring
NURS	0430	Advanced Health Assessment	HS	3		The emphasis of advanced health assessment will be refining abilities to utilize techniques to assess, identify, and describe variances from normal. Two hours lecture, three hours of lab per week. Prerequisites: Minimum of 2.5 GPA in prior semester in NURS 301 (RNs only), NURS 340, NURS 360, NURS 370 and NURS 380 and concurrent with NURS 400 and NURS 420.	F - Fall S - Spring
NURS	0450	Community Health Nursing	HS	5		Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hours lecture, six hours of clinical per week. Prerequisites: Minimum 2.0 GPA in prior semester in NURS 301 (RNs only), NURS 400, NURS 420, and NURS 430 and concurrent with NURS 460 and NURS 470.	F - Fall S - Spring
NURS	0460	Nursing Research	HS	3		Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting, and assisting in the conduct of research. Three hours of lecture per week. Prerequisites: minimum 2.0 GPA in prior semester in NURS 400, NURS 420, and NURS 430 and concurrent with PSY 320 or MATH 310 or GB 321 or SOC 405, NURS 450 and NURS 470.	F - Fall S - Spring
NURS	0470	Nursing Management and Leadership	HS	5		Emphasis is on nursing management and organization, nursing leadership skills, and resource allocation. Three hours lecture and six hours clinical per week. Prerequisites: Minimum 2.0 GPA in prior semester in NURS 301 (RNs only), NURS 400, NURS 420, and NURS 430 and concurrent with NURS 450 and NURS 460.	F - Fall S - Spring
NURS	0498	Advanced Topics in Nursing	HS	1	3	Special topic or topics not normally included in another course. Prerequisites: Upper division standing; additional requirements will be stipulated in the syllabus of the course.	D - Demand
PARA	0101	Escaping Violent Encounters	HS	1		Escaping Violent Encounters for EMS/Fire gives the EMS provider the options needed to recognize a developing threat of assault, deflect it if possible, escape if practical, and defend if necessary. This non-violent system of prevention and avoidance takes a realistic approach to dealing with assaults on EMS and Fire personnel. The course gives EMS and Fire personnel an effective and reasonable plan on how to avoid an attack, and also how to defend themselves once attacked.	F - Fall S - Spring
PARA	0201	Concepts of A&P in EM Care	HS	4		Concepts of Anatomy & Physiology in Emergency Medical Care is a fundamental course designed to provide you with the understanding and knowledge to help you succeed in pre-hospital emergency care. The course covers how the structure and function of various systems and organs in the human body interact to function as a unit. Emphasis will be placed on the cardiovascular, respiratory, gastrointestinal, musculoskeletal, and central nervous systems. Four	S - Spring

					hours of lecture per week. Enrollment is restricted to Pre-Paramedic students only.	
PARA	0220	Emergency Medical Technician	HS	9	Emergency Medical Technician is a fundamental course that is designed to provide you with the knowledge, skills and experience to function as a competent, entry-level practitioner. The student will gain knowledge about the acute, critical differences in physiology, pathophysiology, and clinical differences as they pertain to the pre-hospital emergency medical care of the infant, child, adolescent, adult, and geriatric patient. The student will develop skills in patient assessment, airway management, shock and bleeding control, and splinting. The student will have the opportunity to implement the knowledge and skills learned and gain clinical experience during hospital and ambulance based clinical rotations. PARA 201 or BIO 121 is strongly recommended prior to enrolling in this course. Prerequisite: Student must possess a current CPR for Healthcare Provider certification.	F - Fall S - Spring
PARA	0251	EMS Foundations	HS	2	EMS Foundations introduces the students to the building blocks of the paramedicine profession. The course emphasizes professionalism and the expanding roles of the paramedic. The course provides an introduction to the following topics: EMS Systems, roles and responsibilities, safety, EMS research, public health, medical and legal aspects of pre-hospital care, ethics, communication, and documentation. One hour of lecture per week and two hours of lab per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of Para 201 or Bio 121 (or equivalent) with a "C" or better.	F - Fall
PARA	0252	EMS Pharmacology	HS	2	This course introduces the underlying principles of pharmacology and provides a perspective of the historical, regulatory (FDA) and industrial aspects of pharmacological science. This includes overviews of the physiological, biochemical, and anatomical foundations for the interaction of drugs and chemicals with biological systems as well as a brief examination of pharmacodynamics and pharmacokinetics. Students will also become familiar with basic concepts of the interactions of chemical agents with living tissues. This course is intended to orient new paramedic students to the general scope of pharmacologic science. Two hours of lecture per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of PARA 201 or BIO 121 (or equivalent) with a "C" or better.	F - Fall
PARA	0253	EMS Pathophysiology	HS	2	Pathophysiology is the study of physiologic functions in an abnormal state. It is necessary for the paramedic student to understand human pathophysiology in order to recognize injury or illness that occurs in the human body, and to be able to anticipate changes in the injured or ill patient's condition. Principles of pathophysiology will be presented to the student, and the student will learn to recognize pathophysiological findings in many body systems including but not limited to the circulatory system, the musculoskeletal system, the respiratory system and abnormal neurological findings. Two hours lecture per week. Prerequisites: Missouri Emergency Medical Technician license, American Heart Association Basic Life Support for Healthcare Provider certification, completion of PARA 201 or BIO 121 (or equivalent) with a "C" or better.	F - Fall
PARA	0254	Pulmonology	HS	2	Pulmonology introduces the paramedic student to commonly encountered respiratory system emergencies. Focus will be placed on respiratory anatomy and physiology, and the assessment and treatment of respiratory emergencies. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Two hours of lecture each week. Co-requisites: PARA 252 and PARA 255.	F - Fall
PARA	0255	Paramedic Skills	HS	3	This course introduces basic, fundamental skills that are required for the paramedic to function. Without the knowledge and ability to properly perform these skills, the paramedic would not be able to treat patients. These skills include intravenous (IV) access, intraosseous (IO) access, medication administration and patient assessment. One hour of lecture and four hours of lab per week. Co-requisite: PARA 252.	F - Fall
PARA	0256	Pre-Hospital Cardiology	HS	4	Arguably, one of the most important areas of study in pre-hospital medicine is cardiology. The paramedic must be able to both recognize and treat cardiac disease in order to provide the patient with appropriate and timely care. This ability will minimize morbidity and mortality related to cardiac disease in the community. The ability to quickly recognize cardiac related illnesses, and confidently provide rapid treatment and transport is vital to the success of the paramedic student. Four hours of lecture per week. Co-requisites: PARA 252 and PARA 255.	F - Fall

PARA	0272	Traumatology	HS	4		Traumatology details the anatomy, physiology, and pathophysiology of trauma. Albeit trauma is a surgical disease, and in many instances definitive care must be provided in the operating room, there is a significant amount of care that can be provided by pre-hospital personnel to help reduce both morbidity and mortality. This course addresses various types of trauma based on the body systems involved. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Four hours of lecture per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a "C" or better. Co-requisites: PARA 275 and PARA 370.	S - Spring
PARA	0273	Emergency Medical Care	HS	3		Emergency Medical Care introduces the paramedic student to commonly encountered illnesses and non-traumatic emergencies. Focus will be placed on neurology, endocrinology, immunology, gastroenterology, nephrology, toxicology, infectious disease, psychiatric and behavior disorders, and obstetrics/gynecology. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan. Three hours of lecture per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255, and PARA 256 with a "C" or better. Co-requisites: PARA 275 and PARA 370.	S - Spring
PARA	0275	Paramedic Skills II	HS	3		This course expounds on the skills learned in Paramedic Skills I. Paramedic Skills II focuses on the highly advanced skills needed to function as a paramedic. Skills and topics covered in the class include: thoracentesis and thoracotomy, cricothyrotomy, IV infusions, mechanical ventilators, transporting patients with balloon pumps, escharotomy, and assessment of the critical care patient. The course will meet for one hour of lecture and four hours of laboratory per week. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 255 and PARA 256 with a "C" or better. Co-requisites: PARA 272, PARA 273 and PARA 370.	SU - Summer
PARA	0292	EMS Operations	HS	1		EMS Operations introduces paramedic students to the principles of paramedic operations. The course addresses ground and air transport, along with a variety of special circumstances, including: multiple-casualty incidents, rescue operations, hazardous materials, crime scenes, rural practice, and terrorist incidents. Two hours of lecture per week. Prerequisites: Completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a "C" or better.	SU - Summer
PARA	0293	Special Patient Populations	HS	1		Special Patient Populations provides the paramedic student with information they need about special populations: pediatrics, geriatrics, disabled patients, patients requiring chronic care, and patients of abuse, assault, and neglect. Instruction will integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and treatment plan, taking into account special considerations for the varying populations. Two hours of lecture per week. Prerequisites: Completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a "C" or better.	SU - Summer
PARA	0298	Topics in EMT-Paramedic	HS	1	4	Designed to give instruction in some area of the paramedic field not covered in other courses. Prerequisites to be determined by the department and listed on the syllabus for the specific course.	D - Demand
PARA	0370	Field Internship/Clinical Practicum I	HS	3		During Field Internship / Clinical Practicum, students complete a minimum of 360 clock hours in various departments of regions hospital affiliates. Rotations include, but are not limited to: emergency department, critical care units, pediatrics, labor and delivery, cardiac catheterization lab, operating room, urgent care, psychiatric unit, and postanesthesia care unit. Pre-requisites: Para 220 or EMT equivalent, completion of PARA 251, PARA 252, PARA 253, PARA 254, and PARA 256. Co-requisites: PARA 272, PARA 273, and PARA 275.	F - Fall
PARA	0390	Field Internship/Clinical Practicum II	HS	3		During Field Internship, students are assigned to a Paramedic preceptor with an area Advanced Life Support Ambulance. During the Clinical Experience, students are assigned to in Hospital health care professionals. Students complete a minimum of 360 clock hours during this Field Internship / Clinical Practicum. Focus is placed on developing pre-hospital care team leadership abilities and scene management. Students will progress from observer to team member during these rotations improving patient care skills and real world patient care situations. Prerequisites: Completion of PARA 251, PARA 252, PARA 253, PARA 254, PARA 256, and PARA 370 with a "C" or better. Co-requisite: PARA 255, PARA 272, PARA 273.	S - Spring
PARA	0391	Capstone Field Internship	HS	3		This course is designed to meet the accreditation and national certification requirements at the Paramedic level. During Field Internship, students are assigned to a Paramedic preceptor with an area Advanced Life Support Ambulance. Students complete a minimum of 360 clock hours during the Capstone Field Internship course. Focus is placed on developing pre-hospital care team leadership abilities and scene management. Students will progress to the team leader role during this course and focus on the critical thinking that is required in direct patient care situations. Students will also spend time with Medical Doctors in the Emergency Department setting for Medical Control Evaluations as part of the program graduation requirements. Prerequisites: Completion of PARA 272, PARA 273, PARA 275, and PARA 390 with a "C" or better. Co-requisite: PARA 395.	SU - Summer

PARA	0395	EMS Seminar	HS	1		EMS Seminar serves as a capstone course for the paramedic program. The course is designed to test competency in all paramedic skills and prepare for the National Registry of Emergency Medical Technician cognitive and psychomotor examinations. One hour of lecture per week, one 24-hour board preparation course. Prerequisites: completion of PARA 272, PARA 273, PARA 275, and PARA 370 with a "C" or better. Co-requisite: PARA 390.	SU - Summer
PARA	0401	EMS Systems	HS	3		EMS Systems is an introduction to Emergency Medical Services (EMS) systems. Theoretical concepts and issues will be discussed and examined in order to provide the student with a conceptual basis for understanding and analyzing EMS systems and organizations. Particular emphasis will be placed on system components, system integration and the roles and responsibilities of management and leadership in EMS organizations. Three hours of lecture per week. Prerequisites: Completion of HS 350 with a grade of "C" or better.	D - Demand
PARA	0402	EMS Leadership	HS	3		EMS Leadership provides a general overview of management and administrative functions required of EMS managers today, including: planning, directing, budgeting, staffing, and evaluation. Particular emphasis will be placed on issues relating to human resources, EMS operations, and organizational planning. Three hours of lecture per week. Prerequisites: Completion of HS 350 and HS 390 with a grade of "C" or better.	D - Demand
PARA	0403	EMS Leadership Internship I	HS	3		EMS Leadership Internship I is the first practical application experience to Emergency Medical Services leadership. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the leadership of EMS systems and organizations. Particular emphasis will be placed on the roles and responsibilities of management and leadership in the EMS organizations. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 402 with a grade of "C" or better.	S - Spring
PARA	0404	EMS Leadership Internship II	HS	3		EMS Leadership Internship II is the capstone practical application experience to Emergency Medical Services leadership. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the leadership of EMS systems and organizations. Particular emphasis will be placed on the roles and responsibilities of management and leadership in the EMS organizations. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 403 with a grade of "C" or better.	SU - Summer
PARA	0408	EMS Education	HS	3		EMS Education is an introduction to Emergency Medical Services (EMS) educational practices. Theoretical concepts and issues will be discussed and examined in order to provide the student with a conceptual basis for understanding and analyzing EMS educational requirements in academic institutions as well as EMS systems. Particular emphasis will be placed on educational components, state, national and accreditation requirements and the roles and responsibilities of educators in EMS organizations. Three hours of lecture per week. Prerequisites: Completion of HS 350 with a grade of "C" or better.	F - Fall
PARA	0409	EMS Education Internship I	HS	3		EMS Education Internship I is the first practical application experience to Emergency Medical Services Education. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the educational requirements of today Emergency Medical Services. Particular emphasis will be placed on the roles and responsibilities of the EMS Educator as they pertain to both the academic setting as well as the field setting. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 408 with a grade of "C" or better.	S - Spring
PARA	0410	EMS Education Internship II	HS	3		EMS Education Internship II is the capstone of practical application experience to Emergency Medical Services Education. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the educational requirements of today Emergency Medical Services. Particular emphasis will be placed on the roles and responsibilities of the EMS Educator as they pertain to both the academic setting as well as the field setting. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 409 with a grade of "C" or better.	SU - Summer
PARA	0411	EMS Research	HS	3		EMS Research is an introduction to basic research methods and basic statistical procedures used in Emergency Medical Services. Students will use this information to assist them with reading, interpreting, and evaluating articles in the pre-hospital healthcare literature. Three hours of lecture per week. Prerequisites: MATH 310, GB 321, SOC 305, or PSY 320 and ENG 102.	D - Demand
PARA	0412	EMS Research Internship I	HS	3		EMS Research Internship I is the initial practical application experience to Emergency Medical Services Research. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the impact that research has on current requirements of today's Emergency Medical Services. Particular emphasis will be placed on the roles and responsibilities of the EMS Educator / Training Officer as they pertain to research in both the academic setting and the field setting. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 408 with a grade of "C" or better.	S - Spring



PARA	0413	EMS Research Internship II	HS	3	EMS Research Internship II is the initial practical application experience to Emergency Medical Services Research. Practical concepts and issues will be discussed and examined in order to provide the student with a real life basis for understanding and analyzing the impact that research has on current requirements of today's Emergency Medical Services. Particular emphasis will be placed on the roles and responsibilities of the EMS Educator / Training Officer as they pertain to research in both the academic setting and the field setting. 8 hours of internship per week, plus 2 hours of online coursework. Prerequisites: Completion of PARA 408 with a grade of "C" or better.	SU - Summer
PARA	0420	Critical Care Paramedic	HS	4	Critical Care Paramedic is an introduction to the aspect of transport in which patient care will exceed the typical level of care provided by the standard EMS organization. Theoretical concepts and issues will be discussed and examined in order to provide the student with a conceptual basis for understanding a Critical Care patient's needs by analyzing the capabilities of EMS / Hospital Based organizations and the unique requirements for such events. Particular emphasis will be placed on advanced assessment, skills and critical thinking aspects of acutely sick or injured patients from a hospital or field setting. Four hours of lecture per week is required as well as online testing and assignments. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 421 and PARA 422.	F - Fall
PARA	0421	Critical Care Paramedic Clinical Experience	HS	2	Critical Care Paramedic Clinical Experience is the field/clinical aspect of the Critical Care Paramedic course. This course is the practical application of the theoretical concepts that are presented in the Critical Care Paramedic course in the real world setting. Particular emphasis will be placed on advanced assessment, skills and critical thinking aspects of acutely sick or injured patients from a hospital or field setting. One 8 hr. shift in a critical care setting per week is required as well as online testing and assignments. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 420 and PARA 422.	F - Fall
PARA	0422	Critical Care Paramedic Skills	HS	3	Critical Care Paramedic Skills focuses on the highly advanced, critical care skills needed to function as a paramedic. Skills and topics covered in the class include (but not limited to): thoracentesis and thoracotomy, cricothyrotomy, IV infusions, mechanical ventilators, transporting patients with balloon pumps, escharotomy, and assessment of the critical care patient. The course will meet for 3 hours of laboratory experiences per week with online assignments and testing weekly. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 420 and PARA 421.	F - Fall
PARA	0425	Community Paramedic	HS	4	Community Paramedic is the presentation of theoretical concepts that are presented in the Community Paramedic Skills course in the real world setting. Particular emphasis will be placed on advanced assessment, skills and critical thinking aspects of treatment of the patient in a home or community setting without transport. Four hours of lecture per week is required as well as online testing and assignments. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 426 and PARA 427.	S - Spring
PARA	0426	Community Paramedic Clinical Experience	HS	2	Community Paramedic Clinical Experience is the field / clinical aspect of the Community Paramedic course. This course is the practical application of the theoretical concepts that are presented in the Community Paramedic course in the real world setting. Particular emphasis will be placed on advanced assessment, skills and critical thinking aspects of treatment of the patient in a home or community setting without transport. One 8 hr. shift in a setting designed to prepare the student for Community Paramedic experiences per week is required as well as online testing and assignments. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 425 and PARA 427.	S - Spring
PARA	0427	Community Paramedic Skills	HS	3	Community Paramedic Skills focuses on the highly advanced, critical care skills needed to function as a paramedic. Skills and topics covered in the class include (but not limited to): advanced health assessments, chronic disease monitoring and education, patient medication compliance and education, immunization and vaccinations, various specimen collection follow-up care post hospital discharge, medical procedures deemed as "minor". The course will meet for 3 hours of laboratory experiences per week with online assignments and testing weekly. Prerequisites: Paramedic Certification and Departmental Approval. Co-requisites: PARA 425 and PARA 426.	S - Spring
PHIL	0140	Critical Thinking	AS	3	Introduction to logic, with special emphasis on common errors and fallacies in reasoning.	S - Spring
PHIL	0201	Introduction to Philosophy	AS	3	Comparative survey of major types of philosophy and of representative problems in philosophy. Satisfies 3 hours of General Education Curriculum requirements in Area F2, Humanities and Fine Arts. MOTR: PHIL 100	F - Fall SH - Spring-Honors UE - Summer-Even
PHIL	0212	Ethics	AS	3	Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. MOTR: ETHC 100	FE - Fall-Even
PHIL	0298	Topics in Philosophy	AS	3	Studies in a variety of philosophical subjects. Topic open.	D - Demand
PHIL	0301	Ancient Philosophy	AS	3	Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hours of philosophy or permission of instructor.	FO - Fall-Odd
PHIL	0302	Modern Philosophy	AS	3	A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hours of philosophy or permission of instructor and ENG 102 or 111.	SE - Spring-Even

PHIL	0312	Biomedical Ethics	AS	3		A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation. Prerequisite: ENG 102 or ENG 111. Cross-listed as HS 312.	S - Spring SU - Summer
PHIL	0313	Medical Ethics	AS	2		An exploration focusing on recent important ethical problems relating to health care and the practice of medicine.	D - Demand
PHIL	0320	Comparative Religion	AS	3		A philosophical and historical survey, emphasizing the world's major living religions. Prerequisite ENG 102 or ENG 111. Satisfies 3 hours of General Education requirements in Area I, Institutional Requirements. MOTR: RELG 100	F - Fall
PHIL	0420	Philosophy of Science	AS	3		Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science, and the relation between the natural and social sciences. Prerequisite: ENG 101 and 102 or ENG 111.	D - Demand
PHIL	0498	Advanced Topics in Philosophy	AS	3		Comprehensive analysis of selected topics in philosophy. For upper division students.	D - Demand
PHIL	0499	Independent Study	AS	1	3	Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by adviser, department head, and school dean.	D - Demand
PHYS	0100	Fundamentals of Physical Science	AS	5		Basic concepts in the fields of physics, chemistry, geology, and astronomy will be presented as time permits. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: MATH 30 or higher level math or math ACT of 22 or higher.	F - Fall S - Spring SU - Summer
PHYS	0102	Physical Science Laboratory	AS	1		Experiments related to topics studied in Physics 101 will be conducted. One three-hour laboratory per week. Prerequisite or co-requisite: PHYS 101. (PHYS 100 may be allowed with permission of instructor.)	F - Fall S - Spring SU - Summer
PHYS	0120	Fundamentals of Physical Science	AS	3		Basic concepts in the fields of physics, chemistry, geology, and astronomy will be presented as time permits. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: MATH 030 or higher with a grade of C or better. MOTR: PHYS 110.	F - Fall S - Spring SU - Summer
PHYS	0121	Fundamentals of Physical Science with Lab	AS	4		Basic concepts in the fields of physics, chemistry, geology, and astronomy will be presented as time permits. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture, demonstration and laboratory periods. Prerequisite: MATH 030 or higher with a grade of C or better. MOTR: PHYS 110L.	F - Fall S - Spring SU - Summer
PHYS	0130	Astronomy	AS	3		Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzsprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies, and cosmology. Three hours lecture per week. Prerequisite: MATH 30 or higher level math. MOTR: ASTR 100	F - Fall S - Spring
PHYS	0150	Environmental Physics	AS	5		Emphasis on physics-based problems and laws related to the environment and to human health. Topics include forces in nature, energy, laws of thermodynamics, heat transfer and radiation, properties of fluids and fluid flow, mechanical properties of solids, sound, electromagnetic waves and spectra, basic electricity, radioactivity and nuclear physics. Designed for students in environmental health and students in biology needing only one course in physics. Students may not receive credit for both PHYS 150 and 151, or PHYS 150 and 152. Four hours lecture, one three-hour laboratory per week. Prerequisite: MATH 140.	D - Demand
PHYS	0160	Elementary College Physics I	AS	4		Mechanics, rotational dynamics, properties of matter, heat, wave motion, and sound. This course satisfies the requirements for biology (BI01-BI10), biochemistry (BC01-BC07) and medical laboratory science (ML00), and education (ES00, ES04, ES09) programs. Three hours lecture and one 3-hour lab per week. Prerequisite: MATH 140. MOTR: PHYS 150L.	F - Fall S - Spring SU - Summer
PHYS	0161	Elementary College Physics I Lab	AS	1		Mechanics, rotational dynamics, properties of matter, heat, wave motion, and sound. This course satisfies the requirements for biology (BI00-BI05), biochemistry (BC00-BC06) and medical laboratory science (ML00) programs. One 3-hour lab per week. Prerequisite: MATH 140. Co-requisite: Physics 160.	F - Fall S - Spring SU - Summer
PHYS	0162	Elementary College Physics II	AS	4		Electricity, circuits, magnetism, optics, relativity, radioactivity, and nuclear reactions. Three hours lecture and one two-hour lab per week. Prerequisite: PHYS 160.	F - Fall S - Spring
PHYS	0270	General Physics I	AS	4		Introductory study of physics covering vectors, geometric and trigonometric applications in physics, kinematics of particles in one and two dimensions, and Newton's laws of motion, energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, heat, and thermodynamics. This course satisfies the major requirements for Physics, Math and Chemistry majors. Three one-hour lectures and one three-hour lab per week. Prerequisite: MATH 150. MOTR: PHYS 200L.	F - Fall S - Spring
PHYS	0271	General Physics I Lab	AS	1		kinematics of particles in one and two dimensions, and Newton's laws of motion. This course satisfies degree requirements for Chemistry, Mathematics and Physics majors. One three-hour lab per week. Prerequisite: MATH 150. Co-requisite: PHYS 270.	F - Fall S - Spring
PHYS	0290	General Physics II	AS	4		Introductory study of wave motion, electricity, magnetism, and geometrical and physical optics. Four hours lecture per week. Prerequisite: PHYS 270 and MATH 250 or permission of instructor.	F - Fall S - Spring
PHYS	0291	General Physics II Lab	AS	1		Laboratory in wave motion, electricity, magnetism, and geometrical and physical optics. One three-hour laboratory per week. Prerequisite or co-requisite: PHYS 290.	F - Fall S - Spring

PHYS	0297	Introduction to Research in Physics	AS	1	3	Introduction to research techniques, laboratory work, and literature search under the supervision of an instructor on a Physics research project. Involves laboratory experimentation as well as a written report on a project from any area of Physics. Open to students with: 1) freshman or sophomore standing, 2) the ability to undertake independent work, and 3) permission of the instructor. Registration must be approved by the adviser and the department head.	F - Fall S - Spring
PHYS	0298	Topics in Physical Science	AS	1	3	Special topics in physical science not normally offered in other courses. Prerequisite to be determined by department.	D - Demand
PHYS	0301	Modern Physics	AS	4		Special theory of relativity, wave-particle experiments, introductory quantum mechanics, and nuclear physics. Prerequisite: PHYS 290; co-requisite: MATH 260, or permission of instructor.	F - Fall
PHYS	0310	Introduction to Geophysics	AS	4		Geophysics is the application of physical principles (Physics and Mathematics) to the study of the Earth's structure, phenomenon and process. Applications of geophysical methods include the determination of subsurface stratigraphy and soil properties, characterization of groundwater flow and storage, the identification and tracing of hazardous substances and contaminants in the subsurface, the detection of buried objects and unexploded ordnance, the characterization of soil and bedrock properties for stability, and the exploration of the subsurface for valuable mineral and energy resources. Subjects covered will include: data processing, seismology, seismic reflection, Ground Penetrating Radar, seismic refraction, gravity, and electrical methods. Laboratories will reinforce topics covered in lectures and many will utilize computers. Some laboratories will involve traveling to local field sites and using field geophysical equipment to gather and process and interpret our own data. Three lectures and one 3-hour laboratory per week. Prerequisites: GEOL 120 or 210, MATH 140 or higher level math, PHYS 270, or permission of instructor. Note: PHYS 270 may be taken concurrently with this course.	SO - Spring-Odd
PHYS	0322	Classical Mechanics	AS	3		Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hours lecture per week. Prerequisite: PHYS 270; co-requisite: MATH 322 or permission of instructor.	FO - Fall-Odd
PHYS	0341	Thermal Physics	AS	4		Temperature, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermodynamic tables and introduction to heat transfer. Four hours lecture per week. Prerequisite: PHYS 260; co-requisite: MATH 260.	SO - Spring-Odd
PHYS	0360	Mathematical Methods Physics	AS	3		This course introduces the mathematical techniques used in upper level physics classes. Topics covered will include: Vector calculus, matrices, Fourier analysis, the calculus of variations, complex variables, ordinary differential equations, partial differential equations, and their application to Physics problems. Three hours of lecture per week. Prerequisite: PHYS 270 with a grade of C or better; Co-requisite: MATH 322 or permission of instructor.	F - Fall
PHYS	0372	Electronics for Experimental Physicists	AS	4		This course is designed to give students a thorough understanding of the basic principles of electronics starting from Ohm's law, Kirchhoff's laws, Thevenin/Norton theorems, equivalent circuits, inductors, capacitors, junction diodes and transistors. The main focus will emphasize working knowledge of the circuit elements by learning the fundamental properties of diodes and transistors through intense theoretical background and simple experiments. Operation of field effect transistor devices will be investigated and their applications in rectifier, amplifier and feedback circuits will be analyzed. This course also includes an introduction to logic gates, flip-flops and memory devices. Students in this course will design, construct and analyze circuits at the diode and transistor levels in addition to simple integrated circuits in analog and digital electronics. Applications of field effect transistor devices in the field of nanotechnology will be discussed briefly towards the end of this course. Three 1-hr lectures and one 3-hr lab per week. Prerequisite: PHYS 290 Co-requisite: MATH 322 or permission of instructor.	SE - Spring-Even
PHYS	0381	Intermediate Physics Laboratory	AS	3		Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect, and radioactivity. Two three-hour labs per week. Prerequisite: PHYS 301 or permission of instructor.	F - Fall S - Spring
PHYS	0401	Electricity and Magnetism	AS	4		Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties of matter, induced electromotive force, Maxwell's equations and electromagnetic waves. Four lectures per week. Prerequisites: Math 260 and Phys 290.	FO - Fall-Odd
PHYS	0440	Test and Evaluation of Electrochemical Device	AS	3		Testing and evaluation of electrochemical cells and batteries. Included with an introduction to battery technology is material emphasizing test safety and operational hazards. Prerequisite: CHEM 142.	D - Demand
PHYS	0452	Quantum Mechanics	AS	3		Time independent Schrodinger equation, eigenfunctions, expectation values, differential operators, perturbation theory, multielectron atoms, and applications to solid state physics. Three hours lecture per week. Prerequisite: PHYS 301 and MATH 322.	D - Demand
PHYS	0480	Selected Topics in Physics and Engineering	AS	3		Selected topics for further study, e.g., solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer, and mechanics of materials or other topics. Open to students having a minimum of 18 hours of Physics and permission of instructor. Prerequisites to be determined by department.	D - Demand

PHYS	0490	Seminar	AS	1	3	Students will select two subjects from areas of physics and engineering in which they have an interest. The student will research the area and communicate the results with the physics faculty and the class. One area will require a written paper with a short (15 minute) presentation and the other will require a written paper and a one-hour presentation. Both presentations will have question and answer sessions. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts of physics at the secondary level. Open to students having a minimum of 18 hours of physics and permission of the instructor.	F - Fall S - Spring
PHYS	0491	Internship in Physics	AS	1	3	In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied physics in which on-the-job experience would be beneficial to the student's training. Prerequisites: Junior standing in Physics with a minimum of 17 hours of Physics or by permission.	F - Fall S - Spring SU - Summer
PHYS	0497	Research in Physics	AS	1	3	Independent research technique, laboratory work, and literature search under the supervision of an instructor on a physics research project. Involves laboratory experimentation or theoretical calculation, written report, and an oral presentation from any area of Physics. Open to students having: 1) minimum of 15 hours of Physics, 2) junior or senior standing, 3) the ability to undertake independent work, and 4) permission of the instructor. Registration must be approved by the adviser and the department head.	F - Fall S - Spring SU - Summer
PHYS	0498	Advanced Topics in Physics	AS	1	3	Designed to give advanced instruction in some area not covered in other courses. For upper division majors. Prerequisites to be determined by the department.	D - Demand
PHYS	0499	Independent Study	AS	1	3	Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head, and school dean.	D - Demand
PLS	0220	Introduction to Law	AS	1		An introduction to the American Legal System with emphasis on the roles, duties skills and tasks of the paralegal.	F - Fall S - Spring SU - Summer
PLS	0221	Law Office Management	AS	1		Management and operation of the law office with an emphasis on the practical aspect of processing cases, office workflow and records management.	F - Fall S - Spring SU - Summer
PLS	0222	Property	AS	1		An introduction to the laws relating to real property and how transactions are documented in the various states and locations.	F - Fall S - Spring SU - Summer
PLS	0223	Civil Litigation	AS	1		Process of civil litigation including the rules of civil procedure and the methods of conducting lawsuits before federal and state courts.	F - Fall S - Spring SU - Summer
PLS	0224	Evidence	AS	1		Evidentiary principals of state, local and federal governments will be presented along with methods of management and discovery.	F - Fall S - Spring SU - Summer
PLS	0225	Medical Litigation	AS	1		Special focus on the field of medical litigation, the unique terminology and challenges facing plaintiffs and defendants from the paralegals perspective.	F - Fall S - Spring SU - Summer
PLS	0226	Bankruptcy	AS	1		Rules and regulations of Bankruptcy in the United States Federal Courts will be presented.	F - Fall S - Spring SU - Summer
PLS	0227	Interviewing and Investigation	AS	1		The role of a paralegal in the initial stages of litigation will be reviewed and learned in a practical manner.	F - Fall S - Spring SU - Summer
PLS	0228	Law Office Technology	AS	1		Electronic means are being utilized for the filing of cases, discovery and communication. These methods will be explained and practiced.	F - Fall S - Spring SU - Summer
PLS	0229	Legal Terminology	AS	1		Basic terms utilized by all paralegals and words unique to the legal field will be presented.	F - Fall S - Spring SU - Summer
PLS	0230	Wills, Trusts and Probate	AS	1		Analysis of the administration of probate and the challenges paralegals face in understanding this wide area of the law.	F - Fall S - Spring SU - Summer
PLS	0231	Dispute Resolution	AS	1		Alternative methods of dispute resolution such as mediation and arbitration will be presented for the paralegal.	F - Fall S - Spring SU - Summer
PLS	0298	Topics in Paralegal Studies	AS	3		Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the Social Science Department.	D - Demand
PLS	0304	Legal Research	AS	3		Research involved in case preparation; use of the law library and the various digests, encyclopedias, reports, etc., contained therein. Course is cross-listed as PSC 304.	FO - Fall-Odd

PLS	0310	Ethics for the Legal Professional	AS	3		This course introduces students to the study of legal ethics and professional responsibility for the legal professional – both paralegal and lawyer. A study of the most recent state cases and a review of the model rules adopted in local jurisdictions will be the primary focus as they are applied to situational factual patterns.	F - Fall
PLS	0324	Family Law	AS	3		Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse, and termination of parental rights, and the preparation of pertinent legal forms. Course is cross-listed as PSC 324.	SE - Spring-Even
PLS	0491	Internship	AS	3		An applied internship of 135 hours done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prerequisite: 12 hours of Paralegal studies and/or consent of instructor.	D - Demand
PLS	0499	Independent Study	AS	1	3	Study and research by the student under the direction and supervision of instructor/adviser with prior approval by department head and school dean. Prerequisites: 9 hours of Paralegal Studies and a minimum GPA of 3.0. Repeatable up to six credit hours.	D - Demand
PSC	0100	Missouri Constitution Exam	AS	0		All student are required to take PSC 120 to fulfill the General Education requirements. Those who transfer the course from outside Missouri must take the Missouri Constitution Exam. A pass/fail grade may appear on the transcript of students who complete the exam.	
PSC	0120	American Government	AS	3		Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. This is a core curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study. MOTR: POSC 101	F - Fall S - Spring
PSC	0201	Introduction to Political Science	AS	3		Introduction to the discipline of political science. The course is a preview of the major subunits of the discipline: American politics including public administration and legal studies; international relations; political theory; and comparative politics. Recommended for all Political Science majors.	D - Demand
PSC	0202	Argument in Political Science	AS	3		Introduces students to the nature and logic of argument. The course is designed to expose students to the variety of concepts, methodologies, and forms of evidence that characterize political science. Students will be taught to recognize arguments in what they read and to develop their own arguments in written and oral formats. Students will be introduced to the ways that arguments are developed and then demonstrated through evidence using a variety of methodologies including, formal reasoning, deductive logic, inductive logic, quantitative evidence, qualitative evidence, legal reasoning, and field research/experiments. Prerequisite: PSC 120 or consent of instructor.	S - Spring
PSC	0208	Road to Law School	AS	1		Thanks to media portrayals of lawyers and law schools, many students choose a career in the legal field without core knowledge of the principles, objectives and goals of lawyering. Students in this course will explore the core skills necessary to be successful as a lawyer and be exposed to the skill set that can improve performance on the necessary exams for admittance. Students will be required to take part in a law school visitation.	F - Fall
PSC	0298	Topics in Political Science	AS	1	3	Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty. Prerequisite: PSC 120.	D - Demand
PSC	0301	Political Parties & Elections	AS	3		Analysis of the origins, structure and functions of political parties; the dynamics of the two-party system; the role of third parties and the election process.	D - Demand
PSC	0302	Public Opinion	AS	3		Origins, impact, and measurement of public opinion, with particular emphases on the development of public opinion, how the American public thinks about their government and the consequences of public opinion for the development of public policy. Prerequisite PSC 120 or consent of instructor.	D - Demand
PSC	0303	Mock Trial Workshop	AS	1		Advanced practicum in the area of advocacy, rules of evidence, courtroom presentation and issue spotting. Students will work on the development of ten events and presentation of both Plaintiff and Defense positions on detailed cases as provided by the College Mock Trial Association. May be repeated for a maximum of four hours of credit. Prerequisite: Consent of instructor.	F - Fall S - Spring
PSC	0310	Law, Society, and the Judicial Process	AS	3		American legal system viewed from a social and political as well as legal perspective. Focus on the structure and organization of courts, the processing of civil and criminal cases, and the behavior of judges, lawyers, and other participants in the judicial process.	D - Demand
PSC	0311	American Presidency	AS	3		Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.	D - Demand
PSC	0312	Legislative Process	AS	3		Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis is placed on the Missouri General Assembly and the United States Congress. Prerequisite PSC 120 or consent of instructor.	D - Demand
PSC	0320	State and Local Government	AS	3		General structure, theories, operation and problems of state government with special emphasis on the government of Missouri in the political system. Students will compare and contrast the function of Missouri government at all levels (municipal, county and state) with other states. Prerequisite PSC 120 or consent of instructor.	D - Demand
PSC	0321	International Relations	AS	3		Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.	D - Demand
PSC	0342	Public Policy	AS	3		An introductory survey of the formulation, execution, and evaluation of public policy in the United States.	D - Demand



PSC	0352	Introduction to Comparative Politics	AS	3		The course introduces students to the principles and techniques of the comparative politics subfield. Material includes the structure of government in constitutional and authoritarian regimes, political institutions, political processes, political economy, and major global issues. The course examines themes of democratization, institutional design, parties and party systems, as well as the impact of social and economic change on the conduct and evolution of modern political systems. Prerequisite: PSC 120 or consent of instructor.	F - Fall
PSC	0366	International Politics and Cyber Security	AS	3		This course focuses on cyberspace, cyber threats, and cyber conflict, specifically regarding the implications for the public and private sectors, national governments, non-governmental actors, and international politics. Topics include the creation and evolution of cyberspace, changes to the international system structure, new modes of conflict and cooperation, and strategies for international security in a digital world. Students will examine how current international relations theory accommodates cyberspace as a new venue of politics, and how cyber-politics alters traditional international politics, demanding new theoretical frameworks and empirical study. Students will also be exposed to the types of cyber threats and tactics used to infiltrate computer systems at all levels of society.	D - Demand
PSC	0398	Political Discourse	AS	1		A topics and event driven, open forum for examination of current issues at the national, state, and local levels of government. The course is conducted as a discussion group with the instructor providing directed reading assignments and presentations on discursive practices, traditions, and models within the discipline as appropriate. May be repeated one time for credit.	D - Demand
PSC	0401	Social Science Research Methods	AS	3		An introduction and exploration into the ways in which social scientists conduct research including various designs, including interviewing, observation, survey design, and content analysis. Emphasis will be placed on quantitative analysis and the decisions faced by social scientists when designing and applying social research. The course will cover methods of problem and hypothesis formulation, data collection and instrumentation. There will also be an emphasis placed on ethical issues in research. Prerequisite: 9 Hours of Political Science for PSC 401. Cross-listed with SOC 0401.	F - Fall
PSC	0402	Advocacy & Legal Reasoning	AS	3		Introduction to the methods and applications used in understanding and advocating issues in law. The goal of the course is to allow students to learn how to read, write and speak as an effective advocate using the applications of basic legal reasoning. Class will meet for 3 hours each week for lecture and interactive classroom assignments/applications. Prerequisites: PSC 120, 201 and 208.	D - Demand
PSC	0405	Social Science Statistics	AS	3		Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125 or higher math or consent of instructor.	S - Spring
PSC	0411	Great Political Thinkers	AS	3		The course will introduce selected political philosophies from the ancient Greeks to modern times. Philosophies studied will represent the development of Western political philosophy over time, as well as its comparison with selected Islamic and Asian political ideas.	D - Demand
PSC	0412	Contemporary Political Thought	AS	3		Twentieth century political ideas.	D - Demand
PSC	0421	Public Administration	AS	3		Administrative aspects of government. Surveys the major subfields of public administration, including politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation, and administrative law.	D - Demand
PSC	0423	Globalization and Development	AS	3		The course presents students with the processes of globalization and the interaction between developed and developing nations. The course will explore the changes in the international economy and their effects on domestic politics, economy, and society. Course material will cover the historical foundations of globalization and its modern effects on the nation-state. Prerequisite: PSC 120 or consent of Instructor.	S - Spring
PSC	0431	Constitutional Law I	AS	3		Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government, and the First Amendment rights of freedom of expression.	D - Demand
PSC	0432	Constitutional Law II	AS	3		Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.	D - Demand
PSC	0434	American Foreign Policy	AS	3		The course explores the theoretical and methodological approaches used to analyze American foreign policy. The material focuses on the various governmental institutions and societal forces which shape American foreign policy including, executive-legislative relations, the military, economics, public opinion, interest groups, and the bureaucracy. The major emphasis is on American foreign policy since World War Two. Theoretical material is applied to U.S. relations with important world regions including, Europe, Latin America, Africa, Asia, and the Middle East. Prerequisite PSC 120 or consent of instructor.	S - Spring
PSC	0435	Philosophy of Law	AS	3		Philosophy of Law will relate traditional themes of legal philosophy to the concerns of modern society. Through readings and discussions students will be exposed to controversial questions and imaginative use of cases and stories. Emphasis will be on understanding the evolution of theory within varied topics of law. Prerequisite PSC 120 or consent of instructor.	F - Fall
PSC	0491	Internship Political Science	AS	1	8	Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hours may be counted toward a major or minor. Repeatable for up to 16 credit hours.	D - Demand

PSC	0493	Legislative Internship	AS	9		Students will be assigned to a legislator or other qualified person involved in the Missouri Legislative Process to observe and participate in a legislative session. The students will be required to live and work in the capital from the beginning of the session until its conclusion and comply with the MSSU Legislative Intern Handbook. Prerequisites: PSC 120, 60 hours of credit, 2.5 GPA and consent of instructor.	D - Demand
PSC	0494	Seminar in Political Science	AS	3		Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hours of upper division Political Science.	D - Demand
PSC	0498	Advanced Topics in Political Science	AS	1	3	For upper division political science majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue in-depth research, and ability to assimilate topics. It will include areas not already treated in other political science courses. Prerequisite: 15 hours of Political Science or consent of instructor.	D - Demand
PSC	0499	Independent Study	AS	1	4	For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the Political Science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or Senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean. Repeatable or up to six credit hours.	D - Demand
PSY	0100	General Psychology	ED	3		Introductory course on the scientific study of behavior and mental processes. Covers research and theories in areas of psychology such as abnormal, social, learning and memory, neuroscience, and development. Fulfills a General Education requirement for Area 1A. MOTR: PSYC 100	F - Fall S - Spring
PSY	0200	Child Development	ED	3		The course will cover child development from conception to late childhood, including physical, cognitive, emotional, and social development. Theories and methods of child development will be discussed. Cultural and contextual aspects, including family and peer relationships will be included. Prerequisite: PSY 100 with minimum grade of 'C'. No credit will be given if PSY 205 has been completed	F - Fall S - Spring
PSY	0201	Adolescent Development	ED	3		The course will cover development from puberty to early adulthood, including physical, cognitive, social-emotional development and problems in development. Theories and research methodology will be included, as will adolescent development in the contexts of family, peers, and culture. Prerequisite: PSY 100 with minimum grade of 'C'.	F - Fall S - Spring
PSY	0205	Child and Adolescent Development	ED	3		Various aspects of human development from conception, infancy, childhood to adolescence will be examined, including physical, emotional, social and cognitive development. Emphasis will be given to theoretical framework and its practical implication. Cross-cultural variety will be included wherever appropriate. Prerequisite: PSY 100 with a minimum grade of "C". No credit will be given toward graduation if PSY 200 has been completed.	D - Demand
PSY	0221	Personal Adjustment	ED	3		The course addresses selected principles of adjustment, ways of coping, and research of practical value. Topics include the nature and management of stress, interpersonal communication, relationship dynamics, self concept, and the connection between physical and mental health.	F - Fall S - Spring
PSY	0282	Applied Behaviorism	ED	3		Techniques of modifying behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: PSY 100 with a minimum grade of 'C'.	F - Fall
PSY	0298	Topics in Psychology	ED	1	3	Designed to give instruction in some area of Psychology not covered in other courses. Prerequisites to be determined by department.	D - Demand
PSY	0310	Educational Psychology	ED	3		A practical application of psychological principles to teaching. Students will learn how research is conducted in the field and how to apply those findings to topics such as child/adolescent development, intelligence, learning, memory, and motivation, in their future classrooms. Geared primarily toward education majors, but other majors with an interest in education are welcome. Prerequisite: PSY 100 with a minimum grade of 'C'.	F - Fall S - Spring
PSY	0320	Applied Statistics for the Behavioral and Natural Sciences	ED	3		The course includes descriptive and inferential statistical techniques. The analysis and interpretation of data is emphasized. Prerequisites: PSY 100 (or permission) and MATH 125, 129, 130, or 131 with a minimum grade of 'C'.	F - Fall S - Spring
PSY	0325	Research Methods in Psychology	ED	3		This course will focus on techniques to gather scientific information in the field of psychology with an emphasis on research design, data collection, statistical analysis, and reporting of statistical results. Prerequisite: A minimum grade of 'C' in the following courses: ENG 101, ENG 102 (or ENG 111) and PSY 320.	F - Fall S - Spring
PSY	0330	Experimental Psychology	ED	5		The research process is the foundation for building and refining the knowledge base in the field of psychology. This experimental methods course develops and applies basic research skills including: critiquing and applying existing research, conceiving of, developing, and conducting new research in a sound and ethical manner, analyzing statistical data, interpreting statistical results, and communicating research findings in a professionally acceptable manner. Prerequisites: ENG 101 and ENG 102. Prerequisite or co-requisite: PSY 325.	F - Fall S - Spring
PSY	0341	Social Psychology	ED	3		Introduction to the scientific study of social thinking (how we view ourselves and others), social influence (including conformity, persuasion, and group influence), and social relations (including prejudice, aggression, attraction, and altruism). Prerequisite: PSY 100 with a minimum grade of 'C'.	F - Fall

PSY	0343	Human Sexuality	ED	3	Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisite: Junior Standing.	S - Spring
PSY	0386	Conditioning & Learning	ED	3	This course is intended to familiarize students with the leading theories and research in the field of learning. Animal (including human) studies will be discussed. Topics include Non-Associative Learning, Classical Conditioning, Instrumental and Operant Conditioning, Stimulus Control of Responding, Punishment, Avoidance Behavior, Memory and Cognitive Processes. Prerequisite: PSY 320 with minimum grade of 'C'.	F - Fall S - Spring
PSY	0390	Junior Seminar	ED	2	For Junior Psychology majors. Through a combination of lectures, written assignments, guest speakers, class discussions and out-of-class activities, Junior Seminar is designed to help students clarify their career goals and determine the actions needed in order to achieve those goals. Topics relating to both career and graduate school in psychology-related fields will be addressed. Prerequisite: Junior standing.	F - Fall S - Spring
PSY	0411	Sensation and Perception	ED	3	This course is designed to help students understand how our sensory systems provide information about the world around us. The course focuses on the stimuli, physical sensory structures, sensory pathways, and basics of perception for our various senses. We will also discuss research used to examine how our different perceptual systems work, and will touch on differences between human sensory systems and those of other animals. Prerequisite: PSY 100 with a minimum grade of 'C' and any Biology course.	SO - Spring-Odd
PSY	0415	Animal Behavior	ED	3	Over the course of the semester, we will explore the broad field of animal behavior, in a quest to understand both how and why animals do the things that they do. We will look at both proximate and ultimate explanations of behavior, and a major focus of this course will be on the variety of lab and field research that has led to our current understanding of behavior from a genetic to a population level of analysis. Prerequisites: PSY 100 with a minimum grade of 'C' and any Biology course.	F - Fall
PSY	0420	Psychology in Film	ED	3	An advanced course in psychology examining the use of psychological concepts in feature films. Readings will accompany each film and address the significant concepts illustrated. Specific topics will vary. Prerequisite: PSY 100 with minimum grade of 'C' and 6 additional hours of Psychology or permission from instructor.	D - Demand
PSY	0422	Theories of Personality	ED	3	Survey of both classical and contemporary theories of personality including assessment techniques, supportive research, and application. Prerequisite: PSY 100 with a minimum grade of 'C' and Junior standing.	S - Spring
PSY	0432	Abnormal Psychology	ED	3	Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Theoretical and practical perspectives presented on a wide range of behaviors that have traditionally been viewed as "abnormal." The course includes historical and present-day perspectives, including biological, psychosocial, cognitive, behavioral, and socio-cultural views. Both causal factors and treatment considerations will be discussed. Prerequisite: PSY 100 with a minimum grade of 'C'.	F - Fall S - Spring
PSY	0435	Clinical Psychology	ED	3	Survey of history, current methods, guild issues, and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of Psychology with minimum grades of 'C'.	F - Fall
PSY	0442	Physiological Psychology	ED	3	Over the course of the semester, we will explore the structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of major psychological topics like movement, sleep, sensation, sexual behavior, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective, with a special focus on psychopharmacology. Prerequisite: PSY 100 with a minimum grade of 'C' and any Biology course.	SE - Spring-Even
PSY	0443	Cognitive Psychology	ED	3	A course covering the methods, theory, empirical research results, and applications of research in cognitive psychology, which is concerned with the scientific study of the mind. Topics include perception, attention, memory, knowledge representation, language, and decision making. Prerequisites: Junior standing or above and PSY 320 with a minimum grade of 'C'.	F - Fall S - Spring
PSY	0475	Adult Development and Aging	ED	3	This course will cover adulthood and aging from a lifespan perspective. Topics include theories and research on physical and mental health, memory and cognition, social relationships, and the end of life. The course will include normative changes as well as individual differences, and emphasize positive aging. Prerequisites: PSY 100 and 6 additional hours in Psychology.	F - Fall
PSY	0481	Senior Thesis	ED	3	Capstone course for Psychology majors. Students design and conduct individual research projects on psychological topics. Projects include a review of the relevant scholarly literature, collection of data, analysis of data, and interpretation of results. Students communicate their research in both an APA-format research report and an oral presentation. Prerequisites: Senior standing and a minimum grade of 'C' in both PSY 325 and PSY 330.	F - Fall S - Spring
PSY	0491	Internship in Psychology	ED	3	The internship is designed to assist undergraduate psychology majors gain practical experience in applied settings. Students and on-site supervisor will develop an agreement providing specific learning experiences for the internships. The internship earns up to 3 semester hours credit toward an upper division Psychology elective. Prerequisites are completion of a minimum of 18 hours in psychology, completion of PSY 390, a minimum GPA of 3.0 in psychology and recommendations from two Psychology Department faculty. Enrollment requires consent of Internship Instructor.	D - Demand

PSY	0498	Advanced Topics in Psychology	ED	1	3	Designed to give advanced instruction in some area not covered in other courses. For upper division majors. Prerequisites to be determined by department.	D - Demand
PSY	0499	Independent Study	ED	1	3	Course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration must be approved by advisor and department head.	D - Demand
PSY	0510	Educational Psychology	ED	3		A practical application of psychological principles to teaching. Students will learn how research is conducted in the field and how to apply those findings to topics such as child/adolescent development, intelligence, learning, memory, and motivation in their future classrooms. Geared primarily toward graduate students in the Master of Science in Curriculum and Instruction program. Prerequisite: Admission to the Master of Science in Curriculum and Instruction program.	D - Demand
RAD	0100	Basic Concepts in Radiology	HS	3		This course covers basic concepts related to the practice of radiology. It will cover introductory concepts related to the role of the radiographer in healthcare, healthcare delivery systems, ARRT Code of Ethics, overview and handling of basic medical equipment, introduction to radiation and patient safety concepts and basic positioning of the chest and abdomen.	SU - Summer
RAD	0101	Introduction to Radiology	HS	3		Basic procedures and equipment in the radiology department. Includes organization, function, and supervision of a radiology department with a history of x-ray, patient care basics, ethical principles and legal aspects of radiologic technology and basic principles of radiation protection. Three hours lecture per week.	F - Fall
RAD	0110	Clinical Training I	HS	2		Clinical training with special emphasis in the areas of the thorax, pelvis, extremities, and spine radiography. Fifteen hours of clinical training per week.	F - Fall
RAD	0111	Medical Terminology	HS	3		The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical diseases and surgical terms is included. This particular course is recommended for pre-radiology students. Three hours lecture per week. Cross-listed as HS 111.	F - Fall S - Spring
RAD	0132	Principles of Radiographic Exposure	HS	4		Fundamental principles of technique and technique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection, processing, image artifacts and digital modalities.	S - Spring
RAD	0142	Radiographic Positioning I	HS	4		Basic radiographic positioning including both standard and specialized positions of the chest, bony thorax and spine. Image critique and radiation protection are included as critical parts of this course. One and a half hours lecture, three hours lab per week.	F - Fall
RAD	0170	Radiologic Physics	HS	3		The physics of radiology. The physical principles of X-ray production, including theory in electricity, rectification, circuitry, and basic equipment maintenance. Three hours lecture per week.	F - Fall
RAD	0210	Clinical Training II	HS	2		Intensive clinical training with emphasis in fluoroscopy and various contrast studies. Additional experience and competencies will also be obtained in the areas of general radiography, portables, and an introduction to surgical rotations.	F - Fall
RAD	0241	Radiographic Positioning II	HS	3		Radiographic procedures and positioning related to the bony thorax, digestive, urinary, and reproductive systems. A basic overview is given of surgical, mobile and trauma radiography. Special emphasis on the use and preparation of contrast media, patient preparation, and procedures employed, including tomography to visualize organs of interest and pathophysiology of the above systems. Two and one half hours lecture, one hour lab per week. Prerequisites: RAD 142 or permission of instructor.	S - Spring
RAD	0300	Clinical Training III	HS	2		Clinical training in special procedures requiring sterile fields and surgical cases. Continued practice and competency in general radiography, surgery, and contrast studies. Prerequisites: RAD 110, RAD 210.	SU - Summer
RAD	0301	Image Critique and Quality Management in Radiology	HS	2		Theory and practice in the art and science of evaluating the technical quality of images. Students will develop critical-thinking and problem-solving skills to correct positioning and technical errors. Includes an introduction to quality assurance and pathophysiology of the skeletal and respiratory systems. Prerequisites: RAD 132, RAD 170. Four hours of lecture per week.	SU - Summer
RAD	0320	Radiographic Positioning III	HS	3		An in-depth study of the anatomy and radiographic equipment and positioning used in skulls, facial bones, sinuses, arthrography, long bone measurements, and mammography. Part II of this course will include an introduction to CT, and an overview of sectional anatomy of the brain, spine, neck, chest, and abdomen. One and a half hours of lecture, three hours of lab per week. Prerequisites: RAD 241.	F - Fall
RAD	0340	Clinical Training IV	HS	3		Continued training in special procedures with increased responsibility in surgical radiography. Continued clinical proficiency development in general radiography, including contrast studies, surgical, portable, facial and skull radiography. Prerequisite: RAD 300 or permission of instructor.	F - Fall
RAD	0350	Patient Care and Radiation Protection in Radiology	HS	3		A continuation of basic patient care and radiation protection learned to this point in the program. Course content includes signs, symptoms and appropriate technologist response to common emergencies encountered in radiology. Infection control, chest tubes, enteral tubes, and vascular access lines, as well as medication administration, venipuncture and basic ECG will also be covered. Emphasis will be placed on radiation biology and radiation protection of the patient and technologist involved in patient care procedures. Three hours lecture per week. Prerequisites: RAD 101 or permission of instructor.	F - Fall
RAD	0360	Clinical Training V	HS	3		Students will rotate through special procedures with increased responsibility and do an introductory rotation through CT scans. In addition, students will continue to incorporate skills and competencies in basic radiologic procedures. Prerequisite: RAD 340.	S - Spring

RAD	0370	Special Topics in Radiology	HS	3	Course covers angiography, myelography, digital modalities, bone densitometry and CT with an introductory segment on MRI and ultrasound. Special emphasis on equipment operation, patient care, contrast preparation, procedural steps and pathophysiology. Three hours lecture.	S - Spring
RAD	0399	Advanced Radiology	HS	3	A capstone course designed to prepare students for the national certification examination. Course will include advanced concepts and testing over all major aspects covered by the national certification examination as outlined by the American Registry of Radiologic Technologists. Prerequisites - RAD 101, RAD 132, RAD 170, RAD 241. Six hours lecture per week.	SU - Summer
RESP	0101	Respiratory Therapy Foundations	HS	3	Entry level information is presented regarding respiratory therapy history from its conception to its current goals and standing. Topics covered include medical terminology, hospital and respiratory therapy department structure and management, psychosocial aspects of patient care, and medical ethics. A clinical session allows the student an orientation rotation at the program's clinical sites. Prerequisite: Admission to the respiratory therapy program.	F - Fall
RESP	0102	Cardiopulmonary Sciences	HS	3	Focuses on the sciences used in the practice of respiratory therapy. Emphasis will be placed upon physics, chemistry, and microbiology and infection control as related to the cardiopulmonary sciences. Prerequisite: Admission to the respiratory therapy program and completion of a college-level math course.	F - Fall
RESP	0105	Cardiopulmonary Anatomy and Physiology	HS	3	An in-depth presentation of the cardiopulmonary system, its abnormalities, and corrective techniques as related to respiratory therapy. Included are the concepts of the cardiovascular system, ventilation, diffusion of pulmonary gases, hemodynamic measurements, ventilation perfusion relationships, oxygen and carbon dioxide transport, acid base balance, and arterial blood gas analysis. Prerequisite: Admission to the respiratory therapy program, college level math course and completion of BIO 121.	S - Spring
RESP	0107	Respiratory Therapy Procedures	HS	3	Theory and practice of basic respiratory therapy procedures as outlined in the National Board for Respiratory Care (NBRC) CRT examination content outline. Including cardiopulmonary assessment, medical gas administration, oxygen therapy, equipment maintenance, chest physiotherapy, chest expansion therapy, airway management, bedside pulmonary function testing, arterial puncture, and administering medicated aerosol therapy. Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of RESP 108.	F - Fall
RESP	0108	Respiratory Therapy Procedures Laboratory	HS	3	Students practice entry level respiratory care procedures, using state-of-the-art equipment, in the clinical laboratory under simulated patient situations. The student will address the three difficulty levels of learning, in the laboratory environment (Recall, Application, and Analysis). Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of RESP 107.	F - Fall
RESP	0120	Cardiopulmonary Pathology	HS	3	Study of concepts and theory of selected cardiopulmonary diseases to include: definition, clinical manifestations, etiology, pathologic, radiological and laboratory findings; prevention, prognosis, and treatment. Prerequisite: Admission to the respiratory therapy program and completion of BIO 121.	S - Spring
RESP	0125	Clinical Respiratory Therapy Experience I	HS	3	Clinical instruction supplemented by clinical SOAP assessments that allow the student to apply the classroom and laboratory respiratory therapy competencies mastered in specific respiratory therapy courses. Prerequisites: RESP 107 & RESP 108.	S - Spring
RESP	0129	Cardiopulmonary Pharmacology	HS	3	Comprehensive overview of the general principles of pharmacology. Focuses on the drugs and drug groups that are either administered by respiratory therapy personnel, or those that play a role in the care of cardiopulmonary patients. Prerequisite: BIO 121 and admission to the respiratory therapy program.	F - Fall
RESP	0222	Introduction to Mechanical Ventilation (Life Support Technology)	HS	4	Emphasis on the technical components of mechanical ventilators, their classification, principles of operation, attachments, and the flow/pressure/volume curves generated by various ventilators, as well as compliance and resistance. An introduction to the management of patients receiving mechanical ventilation will be presented in a laboratory format. Prerequisite: Admission to the respiratory therapy program.	F - Fall
RESP	0226	Cardiopulmonary Diagnostics	HS	3	Theory, application, and equipment for diagnosing respiratory pathologies through the diagnostic concepts used in respiratory therapy. Include techniques utilized for measurement of lung gas volumes, capacities, flows, and cardiopulmonary status during exercise testing. Basic EKG interpretation will be presented. A secured SAE will be administered during the course. Prerequisite: Admission to the respiratory therapy program.	S - Spring
RESP	0239	Clinical and Laboratory Experience II	HS	5	Clinical instruction supplemented by clinical SOAP assessments that allow the student to apply the knowledge and respiratory care skills mastered in the Respiratory Care courses: Cardiopulmonary Diagnostics, Introduction to Mechanical Ventilation, and Neonatal and Pediatric Respiratory care in the laboratory and clinical setting. The course will emphasize ventilator care, diagnostic procedures, and alternate site care (home care). Prerequisite: RESP 125.	F - Fall
RESP	0307	Cardiopulmonary Assessment	HS	6	A systematic approach to advanced cardiopulmonary patient assessment. Emphasis is on evaluation of the respiratory care plan based upon laboratory data, electrocardiogram interpretation, fluid and electrolyte balance, acid base balance and oxygen transport, pulmonary function testing, exercise testing, interpretation of chest x-rays, bronchoscopy, and hemodynamic monitoring. Prerequisite: Admission to the respiratory therapy program. Graduates of an advanced-level respiratory therapy program may use this course as a review for their national board examinations. Course will consist of four (4) lecture hours and four (4) lab/clinical hours each week.	S - Spring



RESP	0311	Neonatal and Pediatric Respiratory Care	HS	3	Respiratory care of the neonatal and pediatric population beginning with fetal development and continuing through assessments of infants including gestational age, APGAR scoring, and Silverman scoring. Various heart/lung deficiencies will also be discussed as well as treatment modalities. Prerequisite: Admission to the respiratory therapy program.	F - Fall
RESP	0312	Advanced Mechanical Ventilation (Advanced Life Support)	HS	3	A continuation of the Introduction to Mechanical Ventilation (Life Support Technology) course. In-depth study of ventilator management in critical care, long-term care, and the home environment utilizing case studies, and clinical problem-based learning sessions. In addition the course addresses ACLS (Advanced Cardiac Life Support). Prerequisite: RESP 222 and admission to respiratory therapy program.	S - Spring
RESP	0313	Alternate Site Respiratory Care	HS	3	Theoretical aspects of providing respiratory therapy at alternate sites. Includes components of home respiratory therapy, extended care units, long term care facilities, ventilator rehabilitation centers, physician offices, land/air transport, outpatient diagnostic clinics. Introduces the fundamentals of teaching and learning theories. Prerequisite: Admission to the respiratory therapy program.	F - Fall
RESP	0340	Advanced Level Respiratory Therapy Clinical Experience	HS	5	Progressive process of developing cognitive levels at the recall, application, and analysis levels as a respiratory care practitioner. Correlates directly with the Advanced Mechanical Ventilation (Advanced Life Support ) course, Cardiopulmonary Assessment, Neonate/Pediatric, and the Alternate Site (Management/Pulmonary Rehabilitation/Home Care) courses, to provide the student a clinical environment to demonstrate these learned advanced-level respiratory care competencies. Prerequisite: Admission to the respiratory therapy program and concurrent enrollment or completion of theory coursework.	S - Spring
RESP	0341	Research Issues, Methods, and Problems in Respiratory Care	HS	1	Directed research and discussion in selected areas of respiratory care for advanced-level respiratory therapist. Course work includes independent literature search under the supervision of a respiratory care instructor that utilizes the student's program acquired respiratory care critical thinking, writing, and oral presentation skills. Research scope, depth, and area of concentration to be approved by the program director. A secure WRRT exam will be administered during this course.	S - Spring
SOC	0110	Introduction to Sociology	AS	3	An introductory course focused on the systematic study of society. Emphasis on major concepts of sociology and the scientific point of view in understanding and explaining human behavior and social phenomena. MOTR: SOCI 100	F - Fall S - Spring
SOC	0210	Social Problems	AS	3	A survey of contemporary social problems including racism, sexism, crime and deviance, drug use, and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race, and gender. The role of the U.S. in global social problems is also explored. Prerequisite: SOC 110.	F - Fall
SOC	0221	Marriage and Family	AS	3	Analysis and study of paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood, and the development of family relationships throughout the life cycle.	F - Fall
SOC	0298	Topics in Sociology	AS	3	Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.	D - Demand
SOC	0301	Sociology of Religion	AS	3	Examines religion as a major social institution. Compares behavioral content of religions. Major attention is given to the nature of religion, organized religion, and how religion is integrated into society. Some discussion of the behavioral expectations associated with the major religions of the world. Prerequisite: SOC 110.	D - Demand
SOC	0302	Cults in the U.S.	AS	3	This course focuses on the study of cults and New Religious Movements in the United States today. The class will examine the nature of abusive fringe groups in modern society from a theoretical perspective, looking at the various definitions and classifications of these groups in sociology. Prerequisites: SOC 110.	SU - Summer
SOC	0303	The Arab World	AS	3	A sociological look at the Arab world that identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations, and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area.	D - Demand
SOC	0306	Social Gerontology	AS	3	A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly, and accumulated data from gerontological research. Such topics as life changes, retirement, and alternative life styles among the elderly will be analyzed. Prerequisite: SOC 110.	D - Demand
SOC	0311	Social Stratification	AS	3	Examination of differences in power, privilege, and prestige. Analysis of the effects of social inequality on people's lives within the United States and an overview of the complex array of social structures that comprise international systems of inequality by race/ethnicity, gender, and social class. Prerequisite: 6 hours of Sociology.	F - Fall
SOC	0312	Juvenile Delinquency	AS	3	Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs, and the juvenile justice and corrections system. Prerequisite: SOC 110.	S - Spring
SOC	0319	Social Interaction	AS	3	Theoretical examination of the individual as both a social product and a social force. Areas covered include the foundations of human interaction, process of socialization, and differentiation of individuals. Focus on the formal and informal rules of interaction in our society. Prerequisite: SOC 110.	D - Demand
SOC	0322	Sociology of Work and Leisure	AS	3	Analysis of work, occupations, career mobility, and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: SOC 110.	D - Demand

SOC	0341	Gender Roles	AS	3		An introduction to the biological, cultural, and structural foundations of gender. Explores theories that help to explain gender, a fundamental and pervasive determinant of social life. Includes the review of studies that illustrate differences in the evaluations of men's and women's activities and traditional gender roles. Sociological implications of sex and gender at both the personal (micro) and societal (macro) levels of analysis will be discussed. Prerequisite: SOC 110.	D - Demand
SOC	0351	Criminology	AS	3		This course examines the social and legal concept of crime, the review of measurements of crime(s) and crime statistics, and the theories related to the causes of criminal behaviors. Also includes discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: SOC 110.	F - Fall
SOC	0354	Medical Sociology	AS	3		A survey of the social causes and consequences of health and illness, the expanding role of health-related organizations, the training of health care personnel, and the contemporary consumer's movement. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: SOC 110.	S - Spring
SOC	0361	Social Demography	AS	3		A look at changes in human population through an analysis of birth rates, death rates, and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups, and aging are analyzed. Prerequisite: SOC 110.	F - Fall
SOC	0362	Deviant Behavior	AS	3		A survey of the theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Also includes analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: 6 hours of Sociology.	S - Spring
SOC	0370	The Sociology of Death & Dying	AS	3		A review of the international religious, secular, and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying. Prerequisite: SOC 110.	D - Demand
SOC	0382	Ethnic Relations	AS	3		A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Prerequisite: SOC 110.	D - Demand
SOC	0391	Penology and Corrections	AS	3		Philosophy, history, and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models, and community treatment. Prerequisite: SOC 110.	D - Demand
SOC	0395	Collective Behavior	AS	3		An examination of riots, panics, mass hysterias/collective delusions, fads, social movements and other forms of collective social behavior. Includes exploration of the theories used to explain such events and the analysis of several specific episodes of collective behavior. Prerequisite: 6 hours of Sociology or consent of instructor.	D - Demand
SOC	0396	Sociology of Education	AS	3		An analysis of the functions and processes that characterize the social institution of education, including cultural transmission and social control, and the role of education in the process of social stratification. Includes examination of attempts to achieve equality of educational opportunity by race/ethnicity, gender, and social class and the relationships between education and the other social institutions including the family, religion, and the economy. Prerequisite: SOC 110.	D - Demand
SOC	0401	Social Science Research Methods	AS	3		An introduction and exploration into the ways in which social scientists conduct research including various designs, including interviewing, observation, survey design, and content analysis. Emphasis will be placed on quantitative analysis and the decisions faced by social scientists when designing and applying social research. The course will cover methods of problem and hypothesis formulation, data collection and instrumentation. There will also be an emphasis placed on ethical issues in research. Prerequisite: 9 Hours of Sociology. Cross-listed with PSC 0401.	F - Fall
SOC	0402	The Community - Rural and Urban	AS	3		Social processes of human groups who share common unities of territory and cultural bonds. Major attention on gemeinschaft-gesellschaft theories as they pertain to national, rural, urban, ethnic, and subcultural communities, and how these intertwine in contemporary societies. Prerequisite: SOC 110.	D - Demand
SOC	0405	Social Science Statistics	AS	3		Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125 or higher math or consent of instructor.	S - Spring
SOC	0406	Sociology of Child Abuse	AS	3		An analysis of child abuse and neglect within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 9 hours of Sociology.	D - Demand
SOC	0482	Sociological Theory	AS	3		An exploration of classical and contemporary sociological theory placed in historical perspective from Auguste Comte to the modern era. Prerequisite: 9 hours of sociology.	F - Fall
SOC	0491	Internship in Sociology	AS	1	4	Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hours of Sociology, Junior standing or above, and a GPA of 2.75. Repeatable for up to eight credit hours.	D - Demand

SOC	0498	Advanced Topics in Sociology	AS	3		For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue in-depth research and ability to assimilate topics. Courses offered as a 498 will include areas not already treated in other sociology courses. Prerequisite: 6 hours of sociology or consent of instructor.	D - Demand
SOC	0499	Independent Study	AS	1	3	Structured by the adviser with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean. Repeatable for up to six credit hours.	D - Demand
SPAN	0100	Workplace and Travel Spanish	AS	3		Introductory course that will familiarize students with the basic elements of spoken Spanish, Spanish customs, culture and social behaviors focusing on workplace and travel interactions. Some grammar and structural patterns will be taught in this course. MOTR: LANG 103	D - Demand F - Fall S - Spring SU - Summer
SPAN	0101	Beginning Spanish I	AS	3		This course is the first semester of Spanish language instruction. The course aims to develop skills in listening, speaking, reading, and writing, as well as to expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: None. MOTR: LANG 103	F - Fall S - Spring
SPAN	0102	Beginning Spanish II	AS	3		This course is the second semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading, and writing, and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 101 or equivalent level of proficiency. MOTR: LANG 104	F - Fall S - Spring
SPAN	0203	Intermediate Spanish I	AS	3		This course is the third semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading, and writing, and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 102 or equivalent level of proficiency.	F - Fall S - Spring
SPAN	0204	Intermediate Spanish II	AS	3		This course is the fourth semester of Spanish language instruction. The course continues to develop skills in listening, speaking, reading, and writing, and expose students to the diversity of cultures in the Spanish-speaking world. Prerequisite: SPAN 203 or equivalent level of proficiency.	F - Fall S - Spring
SPAN	0298	Topics in Spanish	AS	1	8	Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.	D - Demand
SPAN	0300	Grammar and Composition	AS	3		Initial oral and written composition with emphasis on grammar; verbal aspect, modals, and tense contrasts through significant practice and sentence drills. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.	F - Fall S - Spring
SPAN	0301	Introduction to Literature and Spanish Language Review	AS	3		This course is designed to serve as a bridge between the basic language Spanish courses and upper level literature and composition courses, including Span 300. Students will review and refine their usage of grammar previously taught while learning the vocabulary and analytical skills necessary in the study of literature written in Spanish. The course is taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.	D - Demand
SPAN	0306	Introduction to Spanish Civilization	AS	3		Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.	F - Fall
SPAN	0307	Introduction to Latin American Civilization	AS	3		Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.	S - Spring
SPAN	0310	Conversation I	AS	3		Emphasis on the basic survival skills of understanding, speaking, and reading in Spanish, and on the study of the Spanish speaking cultures. Taught in Spanish. Prerequisite: SPAN 204 or equivalent level of proficiency.	F - Fall
SPAN	0320	Conversations and Readings	AS	3		Emphasis on the improvement of conversational skills using cultural readings and short stories as the catalysts for intermediate level discourse. The course will be offered abroad. Prerequisites: SPAN 204 or equivalent level of proficiency.	D - Demand
SPAN	0326	Peninsular Literature from El Cid to the Present	AS	3		Spain's literary history and important representative works and writings from El Cid to the present. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.	S - Spring
SPAN	0336	Survey of Spanish American Literature	AS	3		Survey of Spanish American literature from its beginnings to the present. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.	F - Fall
SPAN	0340	Latin American Cinema	AS	3		A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: SPAN 204 or equivalent level of proficiency.	D - Demand
SPAN	0350	Latin American Contemporary Issues	AS	3		Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. Uses written articles, the Internet and World Wide Web, the Latin American press, and movies. Prerequisite: SPAN 300 or equivalent level of proficiency.	D - Demand
SPAN	0360	Introduction to Medical Interpretation (Spanish/English)	AS	3		This course prepares students to interpret and culturally mediate a variety of medical situations. The course will be taught in Spanish. Prerequisites: Intermediate High language skills on the Oral Proficiency Interview as defined by the American Council on the Teaching of Foreign Languages, ENG 101 & ENG 102 or equivalent, SPAN 300 or equivalent.	D - Demand

SPAN	0375	Latin American Folklore	AS	3		Introduction to the folklore stories of Latin America from pre-Colombian societies through the contemporary period. Analysis and discussions focus on historical, religious and cultural events and the development of myths and legends within Latin American civilization. The course is taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency. Course may be offered with a study abroad option.	D - Demand
SPAN	0399	Spanish Study Abroad	AS	1	12	Academic credit(s) will be granted to individuals who complete one or two semesters of a university sponsored study abroad program in a Spanish speaking country. Course(s) taught in Spanish and completed abroad that are listed as upper division general electives on the student transcript may be amended as Spanish Study Abroad credit(s) to fulfill up to 12 hours of Spanish upper division elective credit. Prerequisite: Must have completed 60 hours prior to the study abroad experience and SPAN 204 or its equivalent. The proposed courses for the study abroad experience must be approved in advance by the academic adviser and the department head.	D - Demand
SPAN	0400	Hispanic Drama	AS	3		Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political, and cultural implications of different plays. Taught in Spanish. Prerequisite: SPAN 300 or equivalent level of proficiency.	D - Demand
SPAN	0410	Conversation II	AS	3		Spanish language and culture in the framework of the student's potential areas of contact; personal, travel and occupational. Conversation is the major course component. Prerequisite: SPAN 300, SPAN 310 or equivalent level of proficiency.	S - Spring
SPAN	0420	Advanced Grammar and Composition	AS	3		Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage, orthography, the principles of translation and composition. Prerequisite: SPAN 300 or equivalent level of proficiency.	D - Demand
SPAN	0430	Protocol and Procedures of Medical Interpretation (Spanish/English)	AS	3		This course is an introduction to the general principles, procedures, roles and ethical behaviors of medical interpreters. This course is taught in Spanish. Prerequisites: Intermediate High language skills on the Oral Proficiency Interview as defined by the American Council on the Teaching of Foreign Languages, ENG 101 & ENG 102 or equivalent, SPAN 300 or equivalent.	D - Demand
SPAN	0440	Translation Spanish/English	AS	3		Introduction to the general principles, procedures, theories, and tools of translating. Students will translate a wide variety of short texts from English to Spanish or from Spanish to English. Some basic principles of linguistics will be covered. Prerequisites: Excellent English language skills and the completion of SPAN 300 or equivalent proficiency.	D - Demand
SPAN	0491	Internship in Spanish	AS	1	8	Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.	D - Demand
SPAN	0498	Advanced Topics in Spanish	AS	1	8	This course is for upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.	D - Demand
SPAN	0499	Independent Study	AS	1	3	Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish at any level. The proposed study must be approved by instructor, adviser, department head, and school dean prior to enrollment.	F - Fall S - Spring
SW	0231	Social Work: A Helping Profession	AS	3		Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. May entail field trips and guest speakers. Prerequisite: SOC 110 and PSY 100 with a minimum grade of 'C'.	F - Fall
SW	0298	Special Topics in Social Work	AS	1	3	Special Social Work topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the Social Work department chair. Prerequisites: SW 231 and admission to the Social Work program.	D - Demand
SW	0300	Social Welfare Policies and Services	AS	3		Describes the role of social policy in the organization and the delivery of social services. Presents a framework for the analysis of policy development and impacts. Presents methods of influencing policy development and implementation. Prerequisites: Admission to the program.	F - Fall
SW	0310	Human Behavior and Social Environment	AS	3		Major theories of human development across the life span and life course. Ecological relationship of diverse individuals and families with other systems in the social environment described with focus on biological, psychological, and social context and content. Prerequisites: SW 231 and admission to the program or permission of the department.	F - Fall
SW	0320	Human Behavior in the Social Environment II	AS	3		Builds on concepts learned in SW 310, Presents theories on and about the development, structure, and function of small groups, organizations and communities and how they interrelate ecosystemically with individuals and families. Prerequisites: SW 231, SW 310 and admission to the program.	S - Spring
SW	0370	Social Diversity	AS	3		An examination of the effects of race, gender, religion, disability, sexual orientation, and other factors of social relationships and opportunity. Presents theories about the relationship between diversity, social injustice and oppression. Examines ethical issues in relation to social conflict and cooperation. Prerequisites: SW 231, SW 310 and admission to the program.	S - Spring

SW	0391	Substance Abuse Services	AS	3		The course is an analysis of the policies, services, treatment modalities, and related intervention processes related to the abuse of and addiction to alcohol and other drugs. The purpose of the course is to familiarize the student with the substance abuse process, the various treatment modes and the policies that have directly and indirectly contributed to the continuation and growth of this bio-psycho-social-spiritual problem. Social workers need to understand substance abuse and addiction regardless of the practice setting and population. Substance abuse occurs across all populations and settings and is a component of the generalist social work perspective. Prerequisite: SW 231 or special permission by instructor.	F - Fall
SW	0392	Mental Health Services	AS	3		The course is an analysis of the policies, services, treatment modalities, and related intervention processes related to mental health and mental disorders. The purpose of the course is to familiarize the student with mental illness, the various treatment modes and the policies that have directly and indirectly contributed to the continuation and growth need for services. Social workers need to understand dimensions of mental health and mental disorders; as well as mental health service delivery. Mental illness occurs across all populations and settings and is a component of the generalist social work perspective. Prerequisite: SW 231 or special permission by instructor.	F - Fall
SW	0393	Family and Children Services	AS	3		The course is an analysis of the policies, services, treatment modalities, and related intervention processes related to families and children. The purpose of the course is to familiarize the student with family and children social problems and the importance of services that support the health and well-being of families and children. Prerequisite: SW 231 or special permission by instructor	S - Spring
SW	0410	Practice Skills for Helping Individuals	AS	3		The generalist model of social work practice with individuals. Within a systems perspective, presents theories of life span individual development and behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with individual clients using the problem solving method. Prerequisites: Admission to the program.	F - Fall
SW	0420	Practice Skills for Helping Families and Groups	AS	3		The generalist model of social work practice with families and small groups. Within a systems perspective, presents theories of family and group behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with families and groups using the problem solving method. Prerequisites: SW 300, SW 310, SW 410, and admission to the program.	S - Spring
SW	0430	Practice Skills for Helping Organizations and Communities	AS	3		The generalist model of social work practice with organizations and communities. Within a systems perspective, presents theories of organization and community behavior that forms the foundation for professional intervention. Identifies strategies for working effectively with organizations and communities. Prerequisites: SW 300, SW 310, SW 410 and admission to the program.	S - Spring
SW	0470	Social Research and Evaluation	AS	3		The study and experience in current methods of social research and evaluation with an emphasis on proposal development and implementation of project measurement and design. Prerequisites: SW 300, SW 370, SW 420, SW 430 and admission to the program.	F - Fall
SW	0475	Social Justice Practice	AS	3		The study and experience in advocacy practice to affect social justice for marginalized populations. Prerequisites: SW 300, SW 320, SW 370, SW 420, SW 430, SW 470 and admission to the program.	S - Spring
SW	0480	Field Experience I	AS	4		Supervised experience in a community social service agency. Application of the knowledge, values, and skills of generalist social work practice to work with client systems in an organizational setting. Prerequisites: SW 320, SW 370, SW 420, SW 430, admission to the program and admission to the field experience.	F - Fall
SW	0481	Field Experience I Seminar	AS	2		Supervised experience in a community social service agency. Application of the knowledge, values, and skills of generalist social work with practice to work with client systems in an organizational setting. Prerequisites: SW 320, SW 370, SW 420, SW 430, admission to the program, and admission to the field experience. Co-requisite: SW 480.	F - Fall
SW	0485	Field Experience II	AS	4		Continuation of Social Work 480. This course serves as the capstone of the social work program. Prerequisites: SW 480.	S - Spring
SW	0486	Field Experience II Seminar	AS	2		Supervised experience in a community social service agency. Application of the knowledge, values, and skills of generalist social work with practice to work with client systems in an organizational setting. Prerequisites: SW 481. Co-requisite: SW 485.	
SW	0498	Advanced Topics in Social Work	AS	1	3	Special social work topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social work department chair. Prerequisite: SW 231 and admission to the social work program.	D - Demand
SW	0499	Independent Study Social Work	AS	1	3	Individually directed study for advanced majors in area of social work selected with advisor approval. Proposal must be approved by program director and school dean. Prerequisites: admission to the program.	D - Demand
TH	0101	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0102	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer



TH	0110	Theatre Appreciation	AS	3		Introduction to theatre as a communicative and fine art emphasizing collaborative efforts of playwright, artistic director, designer, actor, and crew. Activities include the interpretation and evaluation of plays through scripts, live, and recorded performances. MOTR: THEA 100A	F - Fall S - Spring SU - Summer
TH	0121	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0122	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0142	Theatre Technology	AS	3		Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound, and electronics in the theatre. Stage rigging, welding, new materials, and construction techniques.	D - Demand SE - Spring-Even
TH	0201	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0202	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0212	Oral Interpretation	AS	3		Principles and techniques for the public presentation of oral reading. Selection, analysis, and preparation of different types of literature with emphasis on platform presentation of prose, poetry, drama, and Readers Theatre.	SE - Spring-Even
TH	0220	Professional Interaction	AS	3		This performance class merges concepts and techniques from theatre and rhetoric to develop the skills necessary to effective communication in a professional context. Particular attention will be paid to the organization and presentation of information. Students will interact as speakers and as auditors in simulated communication environments, e.g. an informal training session, a formal boardroom presentation. MOTR: TH 220	F - Fall S - Spring
TH	0221	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0222	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0231	Speech for Stage I	AS	3		Exercises and drills to improve projection, quality, flexibility, and effectiveness of the speaking voice leading to good usage in Standard American speech, based on the International Phonetic Alphabet.	FO - Fall-Odd
TH	0232	Costume Technology	AS	3		Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing, and crafts. No previous skills required.	D - Demand FO - Fall-Odd
TH	0233	Stage Makeup	AS	3		Introduction to the design and application of makeup for the stage. Focus is on the application of two-dimensional makeup for both large and small theatres. The uses and sources of a variety of materials will be discussed.	D - Demand FO - Fall-Odd
TH	0234	Introduction to Theatrical Design	AS	3		Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography, and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.	D - Demand SO - Spring-Odd
TH	0235	Speech for Stage II	AS	3		A continuation of stage speech training, emphasizing resonance, range, vocal dynamics, vocal expressiveness, and stage dialects. The course provides training in the most current and most significant voice methods for actors and speakers and utilizes the International Phonetic Alphabet to develop performance skills in American regional and foreign dialects. Prerequisite: TH 231.	FE - Fall-Even
TH	0240	Stage Combat and Physical Characterization	AS	3		Survey of historic and theatrical contexts for several combat forms; basic training in non-violent approaches to hand-to-hand combat, quarterstaff, broadsword, and rapier. Introduction to character and emotional centers, acting with whole body, and movement and voice for period styles in acting (selected from Shakespeare, Classical Greek, Social Comedy, and Farce).	SO - Spring-Odd
TH	0241	Acting I (Writing Intensive)	AS	3		Development of individual's ability to express thought and emotion through effective use of the voice and body. Character analysis and creation revealed in exercises and scene work.	F - Fall
TH	0242	Theatre Movement I	AS	1		Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and in-class application of movement, gestures, and postures, including an assimilation of cultural influences, pantomime, masque, and improvisation. Two one-hour labs per week.	SE - Spring-Even
TH	0243	Musical Theatre	AS	3		History, production, and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions. Focus is on representative musicals from the past fifty years and specifically on the musical selected for production the spring semester of that school year. Course also offered under MUS 243.	FO - Fall-Odd
TH	0251	Audition Techniques for the Actor	AS	1		Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing, and performing auditions. Instruction in preparing resumes and photographs for professions.	FE - Fall-Even
TH	0252	Introduction to Western Drama	AS	3		An in-depth study of Western Drama with representative playwrights throughout western history. Satisfies Area 5B General Education Requirement. Prerequisite: ENG 101.	F - Fall S - Spring
TH	0298	Topics in Theatre	AS	1	8	Concentrated study on a variety of selected theatre topics. Can be offered on same topic an unlimited number of times.	D - Demand

TH	0301	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0302	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0311	Stage Management	AS	3		Fundamentals of stage management. Organization of call board, rehearsals, and performances. Construction of prompt book. Communication procedures between actors, director, and designers. Calling the show. Prerequisite: TH 142.	D - Demand FE - Fall-Even
TH	0320	Stage Lighting	AS	3		Lighting design approached artistically. The use of lighting for atmosphere, mood, and emphasis. Lighting as applied to art, television, theatre, and motion pictures. Prerequisites: TH 142 and TH 234.	D - Demand SO - Spring-Odd
TH	0321	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0322	Theatre Laboratory	AS	2		A laboratory devoted to mounting the theatre's season. Nonperformance work. Meets two hours in sequence twice a week.	F - Fall S - Spring
TH	0331	History of the Theatre I	AS	3		Theatre from ancient origins through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management, and the culture surrounding the theatrical event will be addresses with analysis of their relationship to dramatic literature.	FO - Fall-Odd
TH	0332	History of the Theatre II	AS	3		The cultural background and evolution of the theatrical literature, physical theatre, staging, casting, audiences, and production practices from the Jacobean period to the present day.	SE - Spring-Even
TH	0341	Acting II	AS	3		The dynamics of analysis, rehearsal, and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: TH 241.	FE - Fall-Even S - Spring
TH	0351	Directing I	AS	3		A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis, and mounting a production. Scene directing. Prerequisite: TH 241.	F - Fall FE - Fall-Even
TH	0361	History of Costume	AS	3		Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. (Recommended for Stage Costume Design.)	FE - Fall-Even
TH	0362	Stage Costume Design	AS	3		Theory and practical aspects of costume design. Emphasis on nonverbal communication of theme, character, and historical period through rendered costume designs. Prerequisite: TH 234.	SE - Spring-Even
TH	0363	Costume History II	AS	3		A service learning course. Hands-on analysis and preservation of clothing worn, in the US, during the 19th and 20th centuries. Four hours per week will be spent at the Dorothea B. Hoover museum in Joplin. Prerequisite: Instructor's approval.	FO - Fall-Odd
TH	0372	Directing II	AS	3		Study of the skills and role of a director, casting, production administration, and director-actor relationship. Experience and group evaluation in directing one-act plays for public performance. Prerequisite: TH 351.	SO - Spring-Odd
TH	0382	Sound Design	AS	3		Sound design approached artistically and practically. The use of sound effects and music for atmosphere, mood, and emphasis. The research, recording, and playback methods of sound effects and music. Types of setup and the equipment used for sound as applied to theatre and live concerts. Prerequisite: TH 142.	D - Demand SE - Spring-Even
TH	0401	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0402	Theatre Performance	AS	1		The performance of a role, service as a designer, or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.	F - Fall S - Spring SU - Summer
TH	0422	Acting III	AS	3		Study and presentation of selected historic performance styles, with particular attention to physical manners and speech. Emphasis on Shakespearean language and performance, farce, and social comedy. Prerequisite: TH 341.	SO - Spring-Odd
TH	0423	Acting IV	AS	3		This course involves the analysis, rehearsal, and performance of scenes from plays from the late nineteenth through mid twentieth century that are classified as Modern Realism. These range from works by Henrik Ibsen and Anton Chekhov to the plays of Arthur Miller and Tennessee Williams. This course builds upon the foundation laid in Acting I and II with emphasis on the personalization of the characters' experience and the discovery and playing of the characters' psychological condition. Prerequisite: TH 341 Acting II.	S - Spring
TH	0431	Creative Dramatics	AS	3		Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.	SO - Spring-Odd
TH	0441	Stage Design	AS	3		Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians, and audience members. Rendering techniques and period research will be addressed. Prerequisites TH 142 and TH 234.	D - Demand FO - Fall-Odd
TH	0450	Advanced Lab Practicum	AS	1	3	Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.	F - Fall S - Spring

TH	0489	Senior Project I	AS	1		Prepares Senior Theatre Majors for their senior project which is normally presented in the Spring of their Senior year. Topics selected by the student in agreement with their mentor are intended to be a capstone to the focus of their studies over the previous three years. They range from performance to directing to assembling a design portfolio and must include development of a professional resume and website. Prerequisites: Senior standing and permission of instructor.	F - Fall
TH	0490	Senior Project II	AS	1		Prepares Senior Theatre Majors for their senior project which is normally presented in the Spring of their Senior year. Topics selected by the student in agreement with their mentor are intended to be a capstone to the focus of their studies over the previous three years. They range from performance to directing to assembling a design portfolio and must include development of a professional resume and website. Prerequisite: TH 489.	S - Spring
TH	0491	Internship in Theatre	AS	1	3	Internship in Theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by theatre faculty and by the supervisor at the facility where the student works. May be repeated three times.	D - Demand
TH	0498	Topics in Theatre	AS	1	8	Special topics in Theatre for upper level students.	D - Demand
TH	0499	Independent Study in Theatre	AS	1	3	Structured by the adviser with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by adviser, department head, and school dean.	F - Fall S - Spring
UE	0000	Room Placeholder	00	0			
UE	0100	The University Experience	MI	1		UE 100 is required for all degree-seeking students having completed fewer than 30 credit hours. UE 100 is a fundamentals course designed to assist first-year students in successfully defining themselves both as active participants in the MSSU community and as citizens of a twenty-first century global community. The course offers information on university personnel, services, facilities, policies, study skills, and MSSU's international programs and international study opportunities. Student participation in co-curricular activities is required.	F - Fall S - Spring SU - Summer
UE	0105	Career and Life Planning	MI	2		This course is designed to assist students in the career planning process. A primary objective of this course is to learn and practice systematic approaches to career planning and decision-making. To assist in this process, strategies for decision-making and goal setting will be discussed. Students will go on a personal journey to take a closer look at their personality and how their personality, wants, values and decision-making strategies affect how they choose a major or career. Recommended for all undecided majors and open to any students.	F - Fall S - Spring SU - Summer
UE	0150	College Academic Skills	MI	2		A course designed to develop and strengthen an understanding of student responsibility, goals and attitudes necessary for the successful transition from secondary school to college. Active learning through critical thinking, reading and writing to support academic success at the University level will be practiced. Students will identify learning styles and strengths and weaknesses associated with their learning processes. This class is designed for students who have an ACT composite score of 17 or below or no ACT score.	D - Demand F - Fall S - Spring
UE	0200	Leadership and Professional Development	MI	2		This course is organized into two segments: leadership development and professional development. The leadership development segment of this course focuses on identification of various types of leadership skills and the role of leaders in the workplace. The professional development segment of this course focuses on determining short and long-standing career goals, the basics of the job search, and improving on-the-job communication skills (verbal and non-verbal). Prerequisite: Sophomore standing with a declared major and an active Project Stay participant.	S - Spring
UE	0205	Tutor Training	MI	1		A course designed to provide students hired as tutors with an educational foundation of the methods and techniques needed to tutor students in a higher education setting.	F - Fall S - Spring
UE	0400	Leadership Training I	MI	1		Leadership Training I is a semester-long, one-credit hour course designed to prepare students to serve as course assistants for the UE 100 course. In Leadership Training I, students develop familiarity with issues, materials, resources, and methods relevant to assist them in mentoring first-year students enrolled in UE 100. UE 400 may be repeated for credit.	S - Spring
UE	0401	Leadership Training II	MI	2		Leadership Training II is a semester-long, two-credit hour course for students who serve as peer mentors for the UE 100 course. Students will receive credit for Leadership Training II for successfully assisting an instructor in teaching a UE 100 class. UE 401 may be repeated for credit. Successful completion of the course entitles a mentor to a cash stipend. Prerequisite: UE 400.	F - Fall S - Spring SU - Summer
UE	0491	Internship	MI	3	9	Students will serve in an internship capacity at Walt Disney World in Orlando, Florida. Students will live in Disney housing and participate in a full-time work experience in various roles identified by Walt Disney World. Prerequisites: Junior standing at time of internship participation, a 2.5 cumulative gpa, have unrestricted work authorization in the United States, be at least 18 years of age, and approval of Disney Internship Director.	D - Demand

# Academic Programs

## Curriculum

- Baccalaureate Degree Gen Ed Core 42 Requirements

## Major

- Accounting Major, BS in Business Administration, AC00
- Applied Science Major, BAS, BASO
- Art Education Major, Grades K-12, BSE, ES08
- Art Major, Graphic Design, BFA, AR03
- Art Major, Studio Art, BFA, AR02
- Art Major, Visual Art, BA, AR01
- Biology Education Major, Grades 9-12, BSE, ES09
- Biology Major, BS, Multiple Options, BI01-10
- Business Education Major, Grades 9-12, BSE, ES10
- Chemistry Education Major, Grades 9-12, BSE, ES04
- Chemistry Major, BA, CH01
- Chemistry Major, Biochemistry Emphasis, BS, CH02-07
- Chemistry Major, Forensic Science Emphasis, BS, CH08
- Chemistry Major, Professional Emphasis, BS, CH00
- CIS Major, Information Systems, AS, CI07
- CIS Major, Information Technology Option, BS CI11, Minor in Continuous Process Improvement, IE85
- CIS Major, Information Technology Option, BS, CI04
- CIS/Criminal Justice Administration Major, Computer Forensics Option, BS, CI05
- CIS/Mathematics Major, Computational Math Option, BS, CI02
- Communication Major, Mass Communication, BA, CO02
- Communication Major, Mass Communication, BS, CO06
- Communication Major, Public Relations, BA, CO00
- Communication Major, Public Relations, BS, CO05
- Criminal Justice Administration Major, BS, CJ01
- Criminal Justice Administration/CIS Major, Computer Forensics Option, BS, CJ00
- Dental Hygiene Major, AS, DH00
- Economics Major, BS in Business Administration, EC10
- Economics Major, BS, EC20
- Elementary Education Major, Grades 1-6, BSE, EE14
- Elementary Education Major, Grades 1-6, English Language Learner (ELL) K-12, BSE, EE04
- Elementary Education, Special Education Major, K-12, BSE, EE03
- English Education Major, Grades 5-9, BSE, EM22
- English Education Major, Grades 9-12, BSE, ES12
- English Major, Literary Studies Emphasis, BA, EN03
- English Major, Professional/Technical Writing Emphasis, BA, EN04
- Environmental Health and Safety Major, BS, EH02
- Environmental Health and Safety Major, BS, EH04
- Finance Major, BS in Business Administration, FN10
- French Concentration Major, Modern Language, BA, FL01
- French Education Major, Grades K-12, BSE, ES13
- General Business Major, BS in Business Administration, GB00
- Geography Major, BA, GEOO
- Geography Major, BS, GE01
- Health Promotion and Wellness Major, Kinesiology Dept., BS, KI00
- Health Science Major, Business/Life-Health Science Option, BS, HS05
- Health Science Major, Dental Hygiene Option, BS, HS01
- Health Science Major, Paramedic Option, BS, HS06
- Health Science Major, Radiologic Technology Option, BS, HS02

- Health Science Major, Respiratory Therapy Option, BS, HS03
- History Education Major, Grade 9-12, (Social Studies), BSE, ES19
- History Major, BA, HI00
- Human Resources Management Major, BS in Business Administration, MM04
- Industrial Engineering Technology Major, BS, IE00
- International Business Major, BS in Business Administration, IB00
- International Studies Major, BA, IS00
- Law Enforcement Major (Option A), AS, LE00
- Law Enforcement Major (Option B) Basic Law Enforcement Academy, AS, LE01
- Logistics Major, BS, IE03
- Management Major, BS in Business Administration, MM00
- Manufacturing Engineering Technology Major, AS, IE02
- Marketing Major, BS in Business Administration, MM03
- Mathematics Education Major, Grades 5-9, BSE, EM21
- Mathematics Education Major, Grades 9-12, BSE, ES15
- Mathematics, BS, MA00
- Mathematics/CIS Major, Computational Mathematics Option, BS, MA01
- Medical Laboratory Science, BS, ML00
- Music Education Instrumental, Grades K-12, BSE, ES14
- Music Education Vocal, Grades K-12, BSE, ES22
- Music Major, Industry, BA, MU01
- Music Major, Instrumental, BA, MU02
- Music Major, Keyboard, BA, MU03
- Music Major, Vocal, BA, MU04
- Nursing, BS, NU00
- Physical Education Major, Grades K-12, BSE, ES06
- Physics Education Major, Grades 9-12, BSE, ES07
- Physics Major, BS, PH00
- Physics Major, Engineering, BS, PH01
- Political Science Education Major, Grades 9-12, (Social Studies), BSE, ES18
- Political Science Major, BA, PS01
- Political Science Major, BS, PS00
- Psychology Major, BA, PY01
- Psychology Major, BS, PY00
- Radiologic Technology Major, AS, RA01
- Respiratory Therapy Major, AS, RE00
- Science Education Major, Grades 5-9, BSE, EM23
- Social Studies Education Major, Grades 5-9, BSE, EM24
- Social Work Major, BSW, SW01
- Sociology Education Major, Grades 9-12, (Social Studies), BSE, ES03
- Sociology Major, BA, SO00
- Sociology Major, BS, SO01
- Spanish Concentration Major, Modern Language, BA, FL02
- Spanish Education Major, Grades K-12, BSE, ES20
- Theatre Major, BA, TH00
- Theatre/Speech Education Major, Grades 9-12, BSE, ES21

## **Certificate**

- Automation Certificate or Minor, Engineering Technology, IE88 or IE 87
- Campaigns & Elections Certificate, Social Science, PS93
- Chinese Certificate in Language Competence, ML80
- CNC Operator Certificate, Engineering Technology, IE81
- Coaching Certificate, Kinesiology, KI90
- Continuous Process Improvement Certificate, IE86



- Corrections Certificate, Criminal Justice, CJ92
- Crime Scene Investigations Certificate, Criminal Justice, CJ94
- Criminal Investigation Certificate, Criminal Justice, CJ91
- Criminal Law Certificate, Criminal Justice, CJ95
- Electronics Certificate, Physical Science, PH90
- Emergency Medical Technician Certificate
- Entrepreneurial Accounting Certificate, MM97
- Entrepreneurial Finance Certificate, MM96
- Entrepreneurial Management Certificate, MM98
- Entrepreneurial Marketing Certificate, MM99
- Entrepreneurial Planning Certificate, MM95
- Entrepreneurship Professional Credential Certificate, MM86
- Environmental Health and Safety Certificate, Environmental Health, EH84
- Environmental Protection Certificate, Environmental Health, EH85
- Environmental Public Health Certificate, Environmental Health, EH86
- French Certificate in Language Competence, ML81
- Homeland Security Certificate, Criminal Justice, CJ96
- International Politics & Diplomacy Certificate, Social Science, PS90
- Japanese Certificate in Language Competence, ML83
- Jazz Studies Certificate, Music, MU90
- Juvenile Justice Certificate, Criminal Justice, CJ93
- Legal Studies Certificate, Social Science, PS92
- Management Specialist Certificate, MM94
- Medical Interpretation (Spanish/English) Certificate, FL86
- Occupational Health and Safety Certificate, Environmental Health, EH87
- Paramedic Certificate, PA81
- Policing Certificate, Criminal Justice, CJ90
- Population Health Certificate, Kinesiology, KI91
- Public Administration Certificate, Social Science, PS91
- Quality Technician Certificate, Engineering Technology, IE83
- Six Sigma Black Belt Certificate (Option A), Engineering Technology, SS81
- Six Sigma Green Belt Certificate (Option A), Engineering Technology, SS80
- Spanish Certificate in Language Competence, ML85
- Teaching English as a Foreign Language, Certificate, IS90

## **Graduate**

- Accounting, Master of Accountancy (MAcc) Accelerated Program, GR10
- Accounting, Master of Accountancy (MAcc) Traditional Program, GR09
- Education, Administration, MSED, GR13
- Education, Curriculum and Instruction, MSED, GR08
- Education, English Language Learner K-12, MSED, GR14
- Human Resources Emphasis, Master of Science in Management, MSM, GR11
- Management Emphasis, Master of Science in Management, MSM, GR12

## **Minor**

- Accounting Minor, BSBA Degree Candidates, AC81
- Accounting Minor, Non-BSBA Degree Candidates, AC80
- Advanced Power Minor (Physics/Chemistry), PH81
- Anthropology Minor, Cultural Anthropology, SO84
- Art Minor, Art History, AR82
- Art Minor, Graphic Design, AR81
- Art Minor, Studio Art, AR80
- Biology Minor, BI80
- Chemistry Minor, CH 80

- Chinese Minor, Modern Language, FL80
- CIS Minor, Information Assurance & Security, CI84
- CIS Minor, Information Systems, CI80
- CIS Minor, Network Systems Administration, CI82
- CIS Minor, Website Administration, CI83
- Communication Minor, Mass Communication, CO80
- Communication Minor, Multimedia: Communication Emphasis, MM84
- Communication Minor, Public Relations, CO81
- Communication Minor, Speech, CO82
- Continuous Process Improvement Minor IE85
- Criminal Justice Administration Minor, CJ82
- Criminal Justice Minor, Corrections, CJ80
- Criminal Justice Minor, Juvenile Justice, CJ83
- CSI (Crime Scene Investigation) Minor, CJ81
- Economics Minor, BSBA Degree Candidates, EC85
- Economics Minor, Non-BSBA Degree Candidates, EC86
- English Minor, Creative Writing, EN82
- English Minor, Literature Emphasis, EN80
- English Minor, Writing Emphasis, EN81
- Entrepreneurship Minor, MM88
- Finance Minor (BSBA Degree Candidates), FN85
- Finance Minor (Non-BSBA Degree Candidates), FN86
- French Minor, Modern Language, FL81
- General Business Minor (Non-BSBA Degree Candidates), GB80
- Geography Minor, GE80
- Geography Minor, Spatial Analysis, GE83
- History Minor, American Studies, HI81
- History Minor, HI80
- Human Resource Management Minor, MM81
- International Business Minor, IB80
- International Studies Minor, IS80
- Japanese Minor, Modern Language, FL83
- Legal Studies Minor, PS83
- Management Minor, MM82
- Marketing Minor, MM83
- Mathematics Minor, MA80
- Military Science Minor, MS80
- Multimedia Minor, MM84
- Music Minor, MU80
- Philosophy Minor, PI80
- Physics Minor, PH80
- Political Science Minor, International Politics, PS82
- Political Science Minor, PS80
- Psychology Minor
- Quality Management Minor, MM85
- Sociology Minor, SO82
- Spanish Minor, Modern Language, FL85
- Theatre Minor, TH80

# Undergraduate Degree Programs

## Bachelor of Science in Business Administration

### Accounting Emphasis.....Major Code AC00

General Education CORE 42 Requirements 42\* ..... 33 ... was 38-39

UE 100 First Year Experience\*\* ..... 1 ... moved

**Business Core\*** ..... **39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics – Macro\* ..... 3

ECON 202 Principles of Economics – Micro\* ..... 3

FIN 350 Financial Management..... 3

GB 301 Legal Environment of Business I..... 3

GB 320 Business Communication..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

**Accounting Major\*\*** ..... **27**

ACCT 309 Accounting Information Systems..... 3

ACCT 312 Intermediate Accounting I ..... 3

ACCT 322 Intermediate Accounting II ..... 3

ACCT 332 Intermediate Accounting III ..... 3

ACCT 375 Tax Accounting I ..... 3

ACCT 385 Cost Accounting..... 3

ACCT 411 Auditing..... 3

**Pick two from the following** ..... **6**

ACCT 376 and 476 VITA I (2) and VITA II (1) - 3 hrs total

ACCT 402 Advanced Accounting (3)

ACCT 408 Tax Accounting II (3)

ACCT 422 Advanced Cost Accounting (3)

**Electives** ..... **20**

**Total** ..... **120**

Majors in accounting must earn a grade of 'C' or above in all accounting courses in order to earn a BSBA.

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

Those interested in sitting for the CPA exam should consider: Advanced Accounting and Tax Accounting II. Those interested in sitting for the Certified Management Accountant exam should consider: Tax Accounting II and Advanced Cost Accounting

## **Bachelor of Fine Arts ..... Major Code AR02**

### **Studio Art**

**General Ed CORE 42 Requirement..... 42\* 39**

UE 100 First Year Experience\*\* ..... 1

**Art Requirements..... 80**

ART 101 Two Dimensional Design ..... 3

ART 103 Three Dimensional Design ..... 3

ART 130 Basic Drawing..... 3

ART 140 Basic Digital Photography/ Computer Skills... 3

ART 251 Art History: Prehistoric Through Gothic\* ..... 3

ART 252 Art History: Renaissance Through 19<sup>th</sup> Century\* ..... 3

**Studio Art Requirements**

ART 205 Beginning Jewelry..... 3

ART 207 Beginning Ceramics..... 3

ART 211 Beginning Sculpture..... 3

ART 212 Introduction to Printmaking ..... 3

ART 232 Beginning Painting..... 3

ART 270 Drawing ..... 3

ART 295 Foundation Review ..... 0

ART 305 Art Theory..... 3

ART Art History (Upper Division) ..... 6

ART 371 Life Drawing..... 3

ART 372 Color Theory..... 3

**Studio Emphasis Area ..... 12**

(4 Upper Division Courses in one Studio area of Concentration)

ART 490 Professional Studio Practices ..... 2

ART 495 Capstone Art Experience..... 0

ART 496 BFA Thesis ..... 0

**Art Electives ..... 3**

**Upper Division Art Electives (300-400 level)..... 12**

**Total Hours ..... 120**

\*Art History 251 or 252 satisfies 3 hours of CORE 42. area 5B

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Bachelor of Fine Arts .....Major Code AR03**

### **Graphic Design**

#### **General Ed CORE 42 Requirement..... 42\* 39**

UE 100 First Year Experience\*\* ..... 1

#### **ART Requirements..... 80**

ART 101 Two Dimensional Design ..... 3

ART 103 Three Dimensional Design ..... 3

ART 130 Basic Drawing..... 3

ART 140 Basic Digital Photography/Computer Skills\* .. 3

ART 251 ART History, Prehistoric Through Gothic\* ..... 3

ART 252 ART History, Renaissance Through Nineteenth Century3

ART 295 Foundation Review ..... 0

#### **Graphic Design Requirements**

ART 215 Digital Illustration ..... 3

ART 216 Introduction to Web Design ..... 3

ART 240 Introduction to Typography ..... 3

ART 309 History and Theory of Graphic Design..... 3

ART 324 Semiotics and Symbology ..... 3

ART 325 Page Layout ..... 3

ART 326 Advanced Web Design ..... 3

ART 327 Advanced Typography..... 3

ART 350 Package Design..... 3

ART 351 Identify Systems ..... 3

ART 352 Motion Graphics..... 3

ART 360 Publication Design and Layout ..... 3

ART 450 Interactive Design ..... 3

ART 452 Design Practicum..... 3

ART 489 Professional Design Practices ..... 2

#### **Supporting ART Requirements**

ART ART History (Upper Division)..... 6

ART 372 Color Theory ..... 3

ART 495 Capstone ART Experience ..... 0

ART 496 BFA Thesis ..... 0

#### **Two Dimensional Media (Select One)..... 3**

ART 200Beginning Fibers

ART 212Introduction to PrintmakingART 232Beginning Painting

ART 270Immediate Drawing

ART 371Life Drawing

#### **Three Dimensional Media (Select One) ..... 3**

ART 205 Beginning Jewelry

ART 207 Beginning Ceramics

ART 211 Beginning Sculpture

#### **ART Electives ..... 3**

#### **Total Hours ..... 120**

\*Art History 251 or 252 satisfies 3 hours of CORE 42. area 5B

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)



## **Bachelor of Arts .....Major Code AR01**

### **Visual Art**

<b>General Ed CORE 42 Requirement.....</b>	<b>42*</b>	<b>33</b>
<b>Modern Language** (Courses in same prefix)....</b>	<b>10-12</b>	
UE 100      First Year Experience*** .....	1	
<b>Art Requirements .....</b>	<b>50</b>	
ART 101      Two Dimensional Design .....	3	
ART 103      Three Dimensional Design .....	3	
ART 130      Basic Drawing.....	3	
ART 140      Basic Digital Photography/ Computer Skills...	3	
<b>Two-Dimensional Media (Select One) .....</b>	<b>3</b>	
ART 200      Beginning FibersART		
212          Introduction to Printmaking		
ART 232      Beginning Painting		
<b>Three-Dimensional Media (Select One).....</b>	<b>3</b>	
ART 205      Beginning Jewelry		
ART 207      Beginning Ceramics		
ART 211      Beginning Sculpture		
ART 251      Art History, Prehistoric thru Gothic* .....	3	
ART 252      Art History, Renaissance thru 19 <sup>th</sup> Century* ..	3	
ART 270      Intermediate Drawing.....	3	
ART 295      Foundation Review .....	0	
ART 305      Art Theory* .....	3	
ART 372      Color Theory .....	3	
ART          Art History (Upper Division 300-400 level)....	3	
ART 490      Professional Studio Practices .....	2	
ART 495      Capstone Art Experience.....	0	
<b>Upper Division Art Electives (300-400 level courses)..</b>	<b>12</b>	
<b>Electives .....</b>	<b>8-10</b>	
<b>Electives      (Upper Division).....</b>	<b>16</b>	
<b>Total Hours .....</b>	<b>120</b>	

\*Art History 251 or 252 satisfies 3 hours of CORE 42. area 5B

\*\*Modern Language satisfies 3 hours of Core 42 area 5A; an additional 3 hours fulfills area 5C.

\*\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

**Bachelor of General Studies..... Major Code BG00**

**General Studies**

- **General Education CORE 42 Requirements .....** 42\*
- UE 100.....First Year Experience. 1
- 39 upper division hours
- Writing Intensive

**Total Hours .....** 120

Work with an advisor or committee or the ACTS office to choose appropriate courses

A minor is highly recommended

## **Bachelor of Science.....Major Codes BI01-BI10**

### **Biology Major**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

#### **Biology Requirements .....40**

BIO 108 Principles of Biology I ..... 3

BIO 109 Principles of Biology I Lab ..... 1

BIO 111 Principles of Biology II ..... 4

BIO 210 Molecular Cell Biology ..... 4

BIO 231 General and Medical Microbiology ..... 5

BIO 305 Genetics ..... 4

BIO 402 General Ecology

OR

BIO 481 Aquatic Ecology ..... 4

BIO Electives (200 level or higher) ..... 15\*\*\*

#### **Supporting Requirements..... 23**

MATH 140 Algebra & Trigonometry  
(MATH 130 + MATH 135 = MATH 140)

OR

MATH 150 Calculus with Analytic Geometry I ..... 5

CHEM 140 General Chemistry I ..... 3

CHEM 141 General Chemistry I Lab ..... 1

CHEM 142 General Chemistry II ..... 5

CHEM 301 Organic Chemistry I ..... 5

PHYS 160 Elementary College Physics I With Lab ..... 4

**Electives ..... 24**

#### **Total Hours..... 120\*\*\***

\*Required courses in Biology, Chemistry/Physics and Mathematics satisfy major requirements and 10 hours of the General Education Core 42.

\*\*Degree Requirement H (UE 100), may also be met by HNRS 101 (2 credit hours).

\*\*\*Electives should be chosen based on the following divisions:

Biomedical Sciences ..... 15

Recommended courses: BIO 201 or 331, 240, 301, 308, 350, 361, 362, 370, 380, 433, 442, 455, 456, 464, 475, 490, 491, 498, 499

Field/Conservation Biology ..... 15

Recommended courses: BIO 250, 300, 302, 303, 304, 312, 316, 322, 331, 332, 352, 361, 370, 440, 455, 464, 490, 491, 498, 499

General Biology ..... 15

Recommended courses: Two from each of the following:

Biomedical Sciences electives and Field/Conservation Biology electives

\*\*\*\* Must include at least-39 Upper Division (300-400 level) hrs.

Although not required for the BS in Biology, some students may need additional courses to meet admission requirements for professional or graduate school. Students should contact their advisor and perspective professional or graduate school for information regarding the specific courses required.

## **Bachelor of Arts ..... Major Code CH01**

### **Chemistry Major**

#### **General Education CORE 42 Requirements 42\* ..... 26**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language\* - Courses in same prefix\* ..... 10-12**

#### **Chemistry Requirements.....32**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

CHEM 142 General Chemistry II ..... 5

CHEM 201 Analytical Chemistry\*\* ..... 5

CHEM 301 Organic Chemistry I ..... 5

CHEM 400 Elementary Physical Chemistry\* ..... 4

Upper Division Chemistry Electives (4 hrs)..... 4

AND

CHEM 302 Organic Chemistry II ..... 5

OR

CHEM 427 Instrumental Analysis (5)

#### **Supporting Requirements .....13**

~~PHYS 151 Elementary College Physics I\*\* ..... 5~~

~~PHYS 152 Elementary College Physics II\*\* ..... 4~~

PHYS 160 Elementary College Physics I\*\*\* ..... 4

PHYS 162 Elementary College Physics II ..... 4

MATH 150 Calculus with Analytic Geometry I\*\*\* ..... 5

#### **Electives ..... 36-38**

#### **Total Hours 120^**

\*CHEM 140 and PHYS 270 satisfy CORE 42 areas 3A&B (7 hours), math requirements satisfy CORE 42 area 4 (3 hours), 3 hours of modern language apply to CORE 42 area 5A and an additional 3 hours of modern language can satisfy area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Suggested electives: CHEM 350, CHEM 352, CHEM 427, CHEM 450, CHEM 498, CHEM 498, CHEM 499

^Must include at least 39 Upper Division (300-400 level) hours.

Note: A Bachelor of Arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

## **Bachelor of Science..... Major Code CH00**

### **Chemistry Major Professional Emphasis**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

#### **Chemistry Requirements..... 44-46**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

CHEM 142 General Chemistry II ..... 5

CHEM 201 Analytical Chemistry ..... 5

CHEM 301 Organic Chemistry I ..... 5

CHEM 302 Organic Chemistry II ..... 5

CHEM 350 Biochemistry I ..... 3

CHEM 400 Elementary Physical Chemistry ..... 4

CHEM 402 Physical Chemistry II ..... 4

CHEM 422 Advanced Inorganic Chemistry ..... 4

CHEM 497 Research in Chemistry ..... 2

Select one of the following: ..... 3-5

CHEM 352 Biochemistry II (3)

CHEM 427 Instrumental Analysis (5)

CHEM 450 Medicinal Chemistry (3)

#### **Supporting Requirements .....18**

PHYS 270 General Physics I\*\*\* ..... 4

PHYS 290 General Physics II\*\*\* ..... 4

PHYS 291 General Physics III Lab ..... 1

MATH 150 Calculus with Analytic Geometry I\*\*\* ..... 5

MATH 250 Calculus with Analytic Geometry II ..... 4

#### **Electives\*\*\*\* ..... 23-25**

#### **Total Hours .....120^**

\*CHEM 140 and PHYS 270 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Suggested Electives (CHEM 421, CHEM 422, CHEM 427, CHEM 472, MATH 260, MATH 322, PHYS 372, PHYS 341)

^Must include at least **39** Upper Division (300-400 level) hours.

**Bachelor of Science..... Major Codes CH02-07 (was BC01 - BC06)**

**Chemistry Major, Biochemistry Emphasis**

**General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

**Chemistry Requirements.....36**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

CHEM 142 General Chemistry II ..... 5

CHEM 201 Analytical Chemistry ..... 5

CHEM 301 Organic Chemistry I ..... 5

CHEM 302 Organic Chemistry II ..... 5

CHEM 350 Biochemistry ..... 3

CHEM 352 Metabolic Biochemistry ..... 3

CHEM 355 Biochemical Techniques ..... 2

CHEM 400 Elementary Physical Chemistry ..... 4

**Supporting Requirements .....32**

BIO 108 Principles of Biology I\*\*\* ..... 3

BIO 109 Principles of Biology I Lab\*\*\* ..... 1

BIO 111 Principles of Biology II ..... 4

BIO 210 Molecular Cell Biology\*\*\* ..... 4

BIO 305 Genetics ..... 4

BIO 464 Advanced Cell Biology ..... 3

PHYS 160 Elementary College Physics I\*\*\* ..... 4

PHYS 162 Elementary College Physics II ..... 4

MATH 150 Calculus & Analytic Geometry I\*\*\* ..... 5

**Electives\*\*\*\* ..... 19**

**Total Hours ..... 120\*\*\*\***

\*CHEM 140 and BIO 108/109 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\* See Prerequisites

\*\*\*\* Electives as needed to satisfy 39 upper division hours and to meet 120 total hours. Suggested electives : CHEM 422, CHEM 427, CHEM 450, BIO 231, BIO 301, CHEM 431, CHEM 491, CHEM 497.

\*\*\*\*\* Must include at least 39 Upper Division (300-400 level) hours.

CH02	BS Chemistry	Biochemistry
CH03	BS Chemistry	Pre-medical
CH04	BS Chemistry	Pre-pharmacy
CH05	BS Chemistry	Pre-veterinarian
CH06	BS Chemistry	Pre-dental
CH07	BS Chemistry	Pre-optometry

Drop BC01-BC06 per report 17-18:62 (AP 3/26/18) – replaced with CH02-07 Chemistry Bachelor of Science, Biochemistry Emphasis



## Bachelor of Science...Major Code CH08 (was BC07)

### Chemistry Major, Forensic Science Emphasis

#### General Education CORE 42 Requirements 42\* ..... 32

UE 100 First Year Experience\*\* ..... 1

#### Chemistry & Biology Requirements..... 50-52

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

CHEM 142 General Chemistry II ..... 5

CHEM 201 Analytical Chemistry ..... 5

CHEM 301 Organic Chemistry I ..... 5

CHEM 302 Organic Chemistry II ..... 5

CHEM 350 Biochemistry I ..... 3

CHEM 355 Biochemical Techniques ..... 2

CHEM 427 Instrumental Analysis ..... 5

BIO 121 Human Anatomy and Physiology I ..... 4

BIO 231 General and Medical Microbiology ..... 5

BIO 305 Genetics ..... 4

Select one of the following: ..... 3-5

BIO 362 Virology (3)

BIO 442 Pathogenic Bacteriology (5)

BIO 456 Immunology (4)

BIO 460 Techniques in Biotechnology (3)

#### Supporting Requirements ..... 34

LE 100 Intro to Criminal Justice ..... 3

LE 200 Crime Scene Investigation I ..... 3

LE 220 Crime Scene Photography ..... 3

CJAD 305 CJ Research & Statistical Analysis ..... 3

CJAD 340 Crime Scene Investigation I ..... 3

CJAD 390 Crime Analysis ..... 3

CJAD 450 Criminal Evidence ..... 3

MATH 150 Calculus with Analytic Geometry I\*\*\* ..... 5

PHYS 160 Elementary College Physics I\*\*\* ..... 4

PHYS 162 Elementary College Physics II\*\*\* ..... 4

Electives\*\*\*\* ..... 1-3

Total Hours..... 120^

\*CHEM 140 and BIO 121 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See prerequisites

\*\*\*\*Suggested electives: LE 210, LE 250, CJAD 400, BIO 460, CHEM 352, CHEM 431, CHEM 450, CHEM 491, CHEM 497

^Must include at least 39 Upper Division (300-400 level) hours.

**Associate of Science..... CI07**

**CIS - Information Systems**

<b>General Ed Core curriculum Requirement 23*</b>		<b>20</b>
UE 100	First Year Experience**	1
<b>CIS Requirements</b>		<b>27</b>
CIS 110	Programming I	3
CIS 202	Information Systems I	3
CIS 210	Programming II	3
CIS 310	Database Management Systems I	3
CIS 410	Information Systems II	3
CIS	Electives**	12
<b>Supporting Requirements</b>		<b>3</b>
MATH 130	College Algebra or above*	3
<b>General Electives</b>		<b>9</b>
<b>Total</b>		<b>60</b>

\*Math course in major requirements satisfies three hours of the General Education Requirements area 4.

\*\*May not select CIS 105 or 305.

## **Bachelor of Science.....Major Code CI02**

### **CIS and Mathematics Major**

#### **Computational Mathematics Option**

**General Ed CORE 42 Requirement..... 42\* 32**

UE 100 First Year Experience\*\* ..... 1

**CIS Core Requirements ..... 33**

CIS 110 Programming I ..... 3

CIS 202 Information Systems I ..... 3

CIS 210 Programming II ..... 3

CIS 310 Database Management Systems I ..... 3

CIS 315 Computer Networks ..... 3

CIS 345 UNIX System Administration ..... 3

CIS 350 Data Structures ..... 3

CIS 375 IT Project Management ..... 3

CIS 410 Information Systems II ..... 3

CIS 425 Database Management Systems II ..... 3

CIS 450 Operating Systems ..... 3

**Mathematics Requirements..... 34**

MATH 150 Calculus with Analytic Geometry I\* ..... 5

MATH 250 Calculus with Analytic Geometry II ..... 5

MATH 260 Calculus with Analytic Geometry III ..... 3

MATH 300 Fundamentals of Mathematical Thought..... 3

MATH 340 Discrete Mathematics ..... 3

MATH 350 Introduction to Numerical Analysis..... 3

MATH 351 Linear Algebra ..... 3

MATH 361 Probability and Statistics I..... 3

MATH 371 Introduction to Operations Research ..... 3

MATH Electives numbered above 320 ..... 3

**Supporting Requirements ..... 12**

PHYS 270 General Physics I\* ..... 4

PHYS 290 General Physics II..... 4

CHEM 140 General Chemistry I\* ..... 3

CHEM 141 General Chemistry I Lab..... 1

**Electives ..... 8**

**Total ..... 120**

Same program as the Bachelor Science in Mathematics, Computational Mathematics Option. Students selection this option will graduate with a double major in Computer Information Science and Mathematics.

\*Required mathematics satisfies 3 hours of CORE 42 area 4, CHEM 140 satisfies 3 hours of CORE 42 area 3A, PHYS 270 satisfies 4 hours of CORE 42 area 3B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Questions: Is it correct for PHYS 270 and 290 (total 8 credit hours) to replace PHYS 250 and 260 (total 5 credit hours)? Is CHEM 141 (lab) required?

## **Bachelor of Science in CIS..... Major Code CI04**

### **Information Technology Option**

<b>General Ed CORE 42 Requirement .....</b>	<b>42* 39</b>
UE 100 First Year Experience** .....	1
<b>CIS Core Requirements .....</b>	<b>33</b>
CIS 110 Programming I .....	3
CIS 202 Information Systems I .....	3
CIS 210 Programming II .....	3
CIS 310 Database Management I .....	3
CIS 315 Computer Networks .....	3
CIS 345 UNIX System Administration .....	3
CIS 350 Data Structures .....	3
CIS 375 IT Project Management .....	3
CIS 410 Information Systems II .....	3
CIS 425 Database Management II .....	3
CIS 450 Operating Systems .....	3
<b>CIS Professional Electives*** .....</b>	<b>24</b>
<b>Supporting Requirements .....</b>	<b>15-17</b>
ACCT 201 Financial Accounting .....	3
ACCT 202 Managerial Accounting .....	3
CIS 305 Microcomputer Applications .....	3
MATH 310 Elementary Statistics .....	3
Choose one from the following four*: .....	3-5
MATH 130 College Algebra (3)	
MATH 135 Trigonometry (3)	
MATH 140 Algebra & Trigonometry (5)	
MATH 150 Calculus I (5)	
<b>General Electives .....</b>	<b>6-8</b>
<b>Total .....</b>	<b>120</b>

\*Required mathematics course in supporting requirements satisfies 3 hours of CORE 42 area 4.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*May not select CIS 105 or 305. At most three hours may be CIS 491.

## **Bachelor of Science.....Major Code CI05**

### **CIS and Criminal Justice Administration**

#### **Computer Forensics Option**

<b>General Ed CORE 42 Requirement.....</b>	<b>42*</b>	<b>39</b>
UE 100 First Year Experience** .....	1	
<b>CIS Requirements .....</b>	<b>36</b>	
CIS 110 Programming I .....	3	
CIS 202 Information Systems I .....	3	
CIS 210 Programming II .....	3	
CIS 310 Database Management I .....	3	
CIS 315 Computer Networks .....	3	
CIS 345 UNIX System Administration .....	3	
CIS 350 Data Structures.....	3	
CIS 410 Information Systems II .....	3	
CIS 425 Database Management II .....	3	
CIS 440 Computer Forensics I .....	3	
CIS 445 Computer Forensics II .....	3	
CIS 450 Operating Systems .....	3	
<b>CJAD Core Requirements .....</b>	<b>33</b>	
LE 100 Introduction to Criminal Justice.....	3	
LE 200 Crime Scene Investigation I.....	3	
LE 210 Criminal Procedures .....	3	
LE 232 Ethics in Criminal Justice.....	3	
LE 250 Criminal Law.....	3	
LE 280 Professional Writing in Criminal Justice.....	3	
CJAD 330 Asset Protection .....	3	
CJAD 340 Crime Scene Investigation II.....	3	
Upper Division Electives .....	9	
<b>Supporting Requirement .....</b>	<b>3</b>	
MATH 130 College Algebra* .....	3	
<b>General Electives .....</b>	<b>8</b>	
<b>Total Hours .....</b>	<b>120</b>	

\*Required mathematics course in supporting requirements satisfies 3 hours of CORE 42 area 4.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Bachelor of Science Major Code CI11 • Minor Code IE85**

### **CIS Information Technology Option**

#### **Minor in Continuous Process Improvement**

<b>General Ed CORE 42 Requirement</b>	<b>42*</b>	<b>39</b>
UE 100 First Year Experience**	1	
<b>CIS Core Requirements</b>		<b>33</b>
CIS 110 Programming I	3	
CIS 202 Information Systems I	3	
CIS 210 Programming II	3	
CIS 310 Database Management I	3	
CIS 315 Computer Networks	3	
CIS 345 UNIX System Administration	3	
CIS 350 Data Structures	3	
CIS 375 IT Project Management	3	
CIS 410 Information Systems II	3	
CIS 425 Database Management II	3	
CIS 450 Operating Systems	3	
<b>Professional Electives</b>		<b>18</b>
(Choose 2 pairs from the following 3 pairs of courses)		
CIS 230 Programming with RPG and		
CIS 321 Advanced RPG		
OR		
CIS 234 Programming with COBOL and		
CIS 334 Advanced COBOL		
OR		
CIS 308 Website Administration I and		
CIS 340 Website Administration II	12	
CIS Electives**	6	
<b>Supporting Concentration</b>		<b>18</b>
IET 205 Computer Applications and Cost Analysis	3	
IET 315 Probability and Statistics for Engineers		
OR		
MATH 310 Elementary Statistics		
OR		
GB 321 Business Statistics		
OR		
PSY 320 Applied Statistics for the Behavioral & Natural Sciences	3	
IET 320 Applied Statistical Control	3	
IET 355 Work Measurement Ergonomics	3	
IET 380 Principles of Lean	3	
IET 470 Six Sigma Methodology	3	
<b>Supporting Requirements</b>		<b>3</b>
MATH 130 College Algebra or above*	3	
<b>General Electives</b>		<b>8</b>
<b>Total</b>		<b>120</b>

\*Required mathematics course in supporting requirements satisfies 3 hours of CORE 42 area 4.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)



## **Bachelor of Arts .....Major Code C002**

### **Communication Major - Mass Communication**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Communications Requirements ..... 47**

COMM 100 Oral Communication\* ..... 3

COMM 101 Introduction to Human Communication..... 3

COMM 111 Newswriting ..... 3

COMM 215 Interpersonal Communication\*\*\* ..... 3

COMM 220 Practicum in Communications\*\*\* ..... 2

#### **Students must select two different activities**

COMM 303 Advanced Public Speaking\*\* ..... 3

COMM 310 Communication Law ..... 3

COMM 325 Broadcast News Reporting\*\*\* ..... 3

COMM 330 Advanced Communications Practicum\*\*\* ..... 1

COMM 420 Mass Communications Theory\*\*\* ..... 3

COMM 492 Communication Issues\*\*\*\* ..... 3

#### **Communication Electives ..... 17**

**Electives ..... 27-29**

**Total Hours ..... 120\*\*\*\***

\*COMM 100 satisfies 3 hours of CORE 42 area 2B, Three hours of modern language meets CORE 42 area 5A, an additional 3 hours of modern language meets CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Must include at least 39 Upper Division (300-400 level) hours

## **Bachelor of Arts ..... Major Code C000**

### **Communication Major - Public Relations**

<b>General Education CORE 42 Requirements 42*</b>	<b>33</b>
UE 100 First Year Experience**	1
<b>Modern Language Courses in same prefix*</b>	<b>10-12</b>
<b>Communications Requirements</b>	<b>47</b>
COMM 100 Oral Communication*	3
COMM 101 Introduction to Human Communication.....	3
COMM 111 Newswriting .....	3
COMM 200 Audio Production for Media****	
OR	
COMM 201 Video Production .....	3
COMM 211 Introduction to Public Relations .....	3
COMM 215 Interpersonal Communication.....	3
COMM 310 Communication Law .....	3
COMM 325 Broadcast News Reporting**	
OR	
COMM 333 Media Editing and Design****	3
COMM 340 Research in Communications.....	3
COMM 355 Case Studies in Public Relations****	3
COMM 455 Writing for Public Relations.....	3
COMM 470 New Media Technology****	3
COMM 492 Communications Issues****	3
<b>Communication Electives</b>	<b>8</b>
<b>Electives</b>	<b>27-29</b>
<b>Total Hours</b>	<b>120*****</b>

\*COMM 100 satisfies 3 hours of CORE 42 area 2B, Three hours of modern language meets CORE 42 area 5A, an additional 3 hours of modern language meets CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*\*See Prerequisites

\*\*\*\*\*Must include at least 39 Upper Division (300-400 level) hours

## **Bachelor of Science..... Major Code C005**

### **Communication Major - Public Relations**

<b>General Ed CORE 42 Requirement.....</b>	<b>42*</b>	<b>39</b>
UE 100 First Year Experience** .....	1	
<b>Communication Core .....</b>	<b>28</b>	
COMM 100 Oral Communication* .....	3	
COMM 101 Introduction to Human Communication.....	3	
COMM 215 Interpersonal Communication** .....	3	
COMM 305 Intercultural Communication** .....	3	
COMM 310 Communication Law** .....	3	
COMM 340 Research Methods in Communication** .....	3	
COMM 492 Communication Issues**^ .....	3	
<b>Select One^: .....</b>	<b>1</b>	
COMM 220 Practicum in Communication (1)		
COMM 330 Advanced Practicum (1)		
<b>Select One^: .....</b>	<b>3</b>	
COMM 304 Small Group Communication** (3)		
COMM 307 Professional Interviewing** (3)		
COMM 431 Electronic Field Production** (3)		
<b>Select One^: .....</b>	<b>3</b>	
COMM 325 Broadcast News Reporting** (3)		
COMM 470 New Media Technology** (3)		
<b>Communication Public Relations Courses .....</b>	<b>31</b>	
COMM 111 Newswriting .....	3	
COMM 211 Introduction to Public Relations .....	3	
COMM 355 Case Studies in Public Relations** .....	3	
COMM 420 Mass Communications Theory** .....	3	
COMM 455 Writing for Public Relations* .....	3	
<b>Select One: .....</b>	<b>3</b>	
COMM 200 Audio Production for Media** (3)		
COMM 201 Video Production (3)		
COMM 320 Advanced Video Production (3)		
<b>Select One: .....</b>	<b>3</b>	
COMM 300 Organizational Communication (3)		
COMM 301 Media Management (3)		
<b>Select One: .....</b>	<b>3</b>	
COMM 333 Media Editing and Design (3)		
COMM 335 Feature Writing (3)		
COMM 350 Sports Writing (3)		
COMM 425 Broadcasting Scriptwriting (3)		
<b>Select One: .....</b>	<b>3</b>	
COMM 303 Advanced Public Speaking (3)		
COMM 450 Community Journalism (3)		
COMM 460 Global Journalism (3)		
Communication Electives (Internship Suggested).....	4	
<b>Electives .....</b>	<b>21</b>	
<b>Total Hours .....</b>	<b>120***</b>	

\*COMM 100 satisfies 3 hours of CORE 42 area 2B.

\*\*See Prerequisites

\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Science..... Major Code C006**

### **Communication Major - Mass Communication**

<b>General Ed CORE 42 Requirement.....</b>	<b>42*</b>	<b>39</b>
UE 100 First Year Experience** .....	1	
<b>Communication Core .....</b>	<b>28</b>	
COMM 100 Oral Communication* .....	3	
COMM 101 Introduction to Human Communication.....	3	
COMM 215 Interpersonal Communication** .....	3	
COMM 305 Intercultural Communication** .....	3	
COMM 310 Communication Law** .....	3	
COMM 340 Research Methods in Communication** .....	3	
COMM 492 Communication Issues**^ .....	3	
<b>Select One^: .....</b>	<b>1</b>	
COMM 220 Practicum in Communication (1)		
COMM 330 Advanced Practicum (1)		
<b>Select One^: .....</b>	<b>3</b>	
COMM 304 Small Group Communication** (3)		
COMM 307 Professional Interviewing** (3)		
COMM 431 Electronic Field Production** (3)		
<b>Select One^: .....</b>	<b>3</b>	
COMM 325 Broadcast News Reporting** (3)		
COMM 470 New Media Technology** (3)		
<b>Communication Mass Communication Courses.....</b>	<b>31</b>	
COMM 111 Newswriting .....	3	
COMM 220 Practicum in Communication .....	1	
(in addition to core)		
COMM 301 Media Management .....	3	
COMM 330 Advanced Practicum .....	1	
(in addition to core)		
COMM 420 Mass Communications Theory** .....	3	
<b>Select One: .....</b>	<b>3</b>	
COMM 200 Audio Production for Media** (3)		
COMM 201 Video Production (3)		
COMM 320 Advanced Video Production (3)		
<b>Select One: .....</b>	<b>3</b>	
COMM 333 Media Editing and Design (3)		
COMM 335 Feature Writing (3)		
COMM 350 Sports Writing (3)		
COMM 425 Broadcasting Scriptwriting (3)		
COMM 460 Global Journalism (3)		
Communication Electives (Internship Suggested) .....	14	
<b>Electives .....</b>	<b>21</b>	
<b>Total Hours .....</b>	<b>120***</b>	

\*COMM 100 satisfies 3 hours of CORE 42 area 2B.

\*\*See Prerequisites

\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Science.....Major Code CJ01**

### **Criminal Justice Administration**

<b>General Ed CORE 42 Requirement.....</b>	<b>42^</b>	<b>39</b>
UE 100 First Year Experience** .....	1	
<b>Criminal Justice Requirements.....</b>	<b>39</b>	
LE 100 Introduction to Criminal Justice.....	3	
LE 210 Criminal Procedure .....	3	
LE 232 Ethics in Criminal Justice.....	3	
LE 250 Criminal Law .....	3	
CJAD 275 The Juvenile Justice System .....	3	
LE 280 Professional Writing in Criminal Justice* .....	3	
CJAD 301 International Justice Systems^ .....	3	
CJAD 320 Probation and Parole* .....	3	
CJAD 330 Asset Protection* .....	3	
CJAD 370 International Terrorism*^.....	3	
CJAD 410 Juvenile Procedures* .....	3	
CJAD 411 Juvenile Corrections* .....	3	
CJAD 412 Correctional Practices* .....	3	
<b>Select from the following list of major course electives</b>	<b>15</b>	
LE 180 Basic Law Enforcement Academy I*#.....	13	
LE 181 Basic Law Enforcement Academy II*#.....	13	
LE 200 Crime Scene Investigation I.....	3	
LE 220 Crime Scene Photography.....	3	
LE 225 Patrol Procedures .....	3	
LE 230 Community Policing .....	3	
LE 260 Legal & Technical Aspects of Firearms .....	3	
LE 290 Police Supervision & Management.....	3	
LE 298 Topics in Law Enforcement* .....	1-8	
CJAD 300 Criminal Investigation .....	3	
CJAD 302 Comparative Criminal Justice Systems & Cultures.....	2	
CJAD 310 Traffic Accident Investigation & Control*.....	3	
CJAD 340 Crime Scene Investigation II* .....	3	
CJAD 350 Fish/Game Enforcement.....	3	
CJAD 360 Professional Development.....	2	
CJAD 390 Crime Analysis* .....	3	
CJAD 400 Homicide Investigation* .....	3	
CJAD 405 Homicide Investigation II* .....	3	
CJAD 430 Family Violence* .....	3	
CJAD 440 Victimology* .....	3	
CJAD 450 Criminal Evidence* .....	3	
CJAD 455 Interview and Interrogation* .....	3	
CJAD 460 Cultural Diversity and Racial Disparity in CJ* .....	3	
CJAD 475 Organized Crime* .....	3	
CJAD 485 Child Exploitation & Pornography Investigation* .....	3	
CJAD 487 Rape & Sexual Assault Investigation*.....	3	
CJAD 491 Internship in Criminal Justice Administration* .....	4-8	
CJAD 498 Advanced Topics in Criminal Justice* .....	1-3	
CJAD 499 Independent Study* .....	1-6	
<b>Electives .....</b>	<b>26</b>	

**Total Hours.....120**

\*See course descriptions and university requirements for prerequisites.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

^CJAD 301 or CJAD 370 satisfy 3 hours of CORE 42 area 5C.

#Only 13 hours of the Basic Law Enforcement Academy will be applied to the 12 hour elective requirement.

General electives selected with advisor approval must include sufficient upper division courses (courses numbered at the 300 or 400 level) to complete university requirements for a minimum 39 upper-division hours.

A minor is highly recommended.



## **Bachelor of Science.....Major Code CJ00**

### **CIS and Criminal Justice Administration**

#### **Computer Forensics Option**

<b>General Ed CORE 42 Requirement.....</b>	<b>42*</b>	<b>39</b>
UE 100 First Year Experience** .....	1	
<b>CIS Requirements .....</b>	<b>36</b>	
CIS 110 Programming I .....	3	
CIS 202 Information Systems I .....	3	
CIS 210 Programming II .....	3	
CIS 310 Database Management I .....	3	
CIS 315 Computer Networks .....	3	
CIS 345 UNIX System Administration .....	3	
CIS 350 Data Structures.....	3	
CIS 410 Information Systems II .....	3	
CIS 425 Database Management II .....	3	
CIS 440 Computer Forensics I .....	3	
CIS 445 Computer Forensics II .....	3	
CIS 450 Operating Systems .....	3	
<b>CJAD Core Requirements .....</b>	<b>33</b>	
LE 100 Introduction to Criminal Justice.....	3	
LE 200 Crime Scene Investigation I.....	3	
LE 210 Criminal Procedures .....	3	
LE 232 Ethics in Criminal Justice.....	3	
LE 250 Criminal Law.....	3	
LE 280 Professional Writing in Criminal Justice.....	3	
CJAD 330 Asset Protection .....	3	
CJAD 340 Crime Scene Investigation II.....	3	
Upper Division Electives .....	9	
<b>Supporting Requirement .....</b>	<b>3</b>	
MATH 130 College Algebra* .....	3	
<b>General Electives .....</b>	<b>8</b>	
<b>Total Hours .....</b>	<b>120</b>	

\*Required mathematics course in supporting requirements satisfies 3 hours of CORE 42 area 4.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

**Associate of Science..... Major Code LE00**

**Law Enforcement (Option A)**

<b>General Education Requirements .....</b>		<b>23</b>
UE 100	First Year Experience* .....	1
<b>Law Enforcement Requirements .....</b>		<b>3635</b>
LE 100	Introduction to Criminal Justice .....	3
LE 210	Criminal Procedure .....	3
LE 232	Ethics in Criminal Justice .....	3
LE 250	Criminal Law .....	3
LE 280	Professional Writing in Criminal Justice .....	3
Electives	(advisor approved LE or CJAD electives) ....	21
<b>Total Hours .....</b>		<b>60</b>

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

**Associate of Science..... Major Code LE01**

**Law Enforcement (Option B)**

**Basic Law Enforcement Academy**

<b>General Education Requirements .....</b>		<b>23</b>
UE 100	First Year Experience* .....	1ved
<b>Law Enforcement Requirements .....</b>		<b>36</b>
LE 100	Introduction to Criminal Justice .....	3
LE 232	Ethics in Criminal Justice .....	3
LE 180	Basic Law Enforcement Academy .....	13
LE 181	Basic Law Enforcement Academy II .....	13
Electives	(advisor approved LE or CJAD) .....	4...
<b>Total Hours</b>		<b>60</b>

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Associate of Science ..... Major Code DH00**

### **Dental Hygiene**

#### **General Education Core Curriculum Requirements 23\*17**

UE 100 First Year Experience\*\* ..... 1

#### **Dental Hygiene Requirements ..... 73**

DH 101 Fundamentals of Dental Hygiene ..... 2

DH 103 Fundamentals of Dental Hygiene I-Lab ..... 2

DH 105 Fundamentals of Instrumentation\*\*\* ..... 2

DH 120 Dental Hygiene Concepts ..... 2

DH 140 Dental Morphology..... 1

DH 150 Oral Histology and Embryology ..... 3

DH 160 Dental Radiology Lecture ..... 2

DH 165 Dental Radiology Lab ..... 1

DH 190 Clinical Dental Hygiene I\*\* ..... 4

DH 210 Pain Management..... 1

DH 220 Dental Materials..... 1

DH 225 Dental Materials Lab..... 1

DH 290 Clinical Dental Hygiene II\*\*\* ..... 4

DH 295 Seminar in Dental Hygiene I ..... 1

DH 300 Community Dental Health Education ..... 3

DH 301 Community Health Practicum ..... 1

DH 310 Nutrition ..... 2

DH 320 Pharmacology..... 2

DH 340 Oral Pathology..... 3

DH 350 Periodontics..... 3

DH 390 Clinical Dental Hygiene III\*\*\* ..... 4

DH 395 Senior Seminar..... 1

BIO 121 Human Anatomy & Physiology I\* ..... 4

BIO 221 Human Anatomy & Physiology II\*\*\* ..... 5

BIO 231 General and Medical Microbiology\*\*\* ..... 5

BIO 240 Radiation Biology..... 3

CHEM 121 Chemistry for Allied Health Science@ ..... 3

CHEM 122 Chemistry for Allied Health Science Lab@ .... 1

PSY 100 General Psychology\* ..... 3

SOC 110 Introduction to Sociology\* ..... 3

**Total ..... 91**

\*BIO 121 satisfies 3 hours of general education core curriculum area 3, PSY 100 or SOC 110 satisfied 3 hours of general education core curriculum area 1A.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See course descriptions for prerequisites.

@ CHEM 121 and 122 or CHEM 140 and 141 General Chemistry I meet the Dental Hygiene requirement.

## **Bachelor of Science in Business Administration**

### **Economics Emphasis..... Major Code EC10**

**General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

**Business Core ..... 39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics-Macro\* ..... 3

ECON 202 Principles of Economics-Micro\* ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

**Economics Major ..... 24-26**

MATH 150 or MATH 302 ..... 3-5

ECON 300 Money and Financial Institutions ..... 3

ECON 301 Managerial Economics ..... 3

ECON 302 Intermediate Macroeconomics ..... 3

ECON 410 Introduction to Econometrics ..... 3

ECON 442 International Economics and Finance... 3

**Choose one: ..... 3**

ECON 325 Law and Economics (3)

ECON 435 Health Economics (3)

**Choose one: ..... 3**

ECON 460 Labor Economics (3)

ECON 455 Environmental & Natural Resources Economics (3)

**Business Electives..... 9**

**General Electives ..... 12-14**

**Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

## **Bachelor of Science..... Major Code EC20**

### **Economics Emphasis**

**General Education CORE 42 Requirements 42\* ..... 36**

UE 100 First Year Experience\*\* ..... 1

**Economics Major ..... 33-35**

#### **Prerequisites**

Choose one: GB 321, MATH 310, PSC 405, PSY 320 or SOC 405 .3

Chose one: MATH 150 or MATH 302 .....3-5

ECON 201 Principles of Economics-Macro\* .....3

ECON 202 Principles of Economics-Micro\* .....3

#### **Required Courses**

ECON 300 Money and Financial Institutions.....3

ECON 301 Managerial Economics .....3

ECON 302 Intermediate Macroeconomics.....3

ECON 410 Introduction to Econometrics .....3

ECON 442 International Economics and Finance...3

**Choose One:**.....3

ECON 325 Law and Economics (3)

ECON 435 Health Economics (3)

**Choose One:**.....3

ECON 460 Labor Economics (3)

ECON 455 Environmental & Natural Resources Economics (3)

**Minor or Second Major (highly recommended) ..... 18-27**

**General Electives ..... 21-32**

**Total .....120\*\***

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A-

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Associate of Science.....Major Code IE02**

### **Manufacturing Engineering Technology**

#### **General Education Core Curriculum Requirements 23\*17**

UE 100 First Year Experience\*\* ..... 1

#### **Manufacturing Engineering Technology Requirements ..... 40**

MATH 130 College Algebra (or higher)\* ..... 3

PHYS 160 Elementary College Physics w/Lab\* ..... 4

MET 100 Introduction to Machine Tool Processes ..... 3

IET 110 Engineering Graphics I ..... 3

IET 115 Engineering Graphics II ..... 3

IET 204 Industrial Statics and Strength of Materials ... 3

MET 200 Computer Numerical Control ..... 3

IET 205 Computer Applications & Cost Analysis ..... 3

MET 240 Engineering Materials ..... 3

IET 300 Engineering Economics ..... 3

MET 304 CNC Project and Cost Analysis ..... 3

#### **Select one of the following three courses: ..... 3**

MET 210 Industrial Robotics (3)

MET 220 Intro to Programmable Logic Controllers (3)

MET 245 Manufacturing with Metals (3)

#### **Manufacturing Technology Electives ..... 3**

IET 105 Introduction to Industrial Engineering Technology (3)

MET 491 Internship in Manufacturing Tech (3)

MET 498 Advanced Topics in Manufacturing Technology (3)

MET 499 Independent Study in Manufacturing Technology (3)

IET 305 Basic Electricity and Electronics (3)

IET 310 Computer Production/Planning Control (3)

IET 320 Applied Statistical Quality Control. (3)

IET 350 Industrial Supervision (3)

IET 383 Power Generation Inc Power and Hydraulics (3)

#### **Electives ..... 2**

#### **Total ..... 60**

\*MATH 130 (or higher) satisfies 3 hours of general education core curriculum area 4 and PHYS 160 satisfies 3 hours of area 3..

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)



## **Bachelor of Science.....Major Code IE00**

### **Industrial Engineering Technology**

#### **General Education CORE 42 Requirements 42\* ..... 38**

UE 100 First Year Experience\*\* ..... 1

#### **Required Industrial Engineering Technology Curriculum..... 78-81**

PHYS 160 Elementary College Physics w/Lab\* ..... 4

MET 100 Introduction to Machine Tool Processes ..... 3

IET 105 Fundamentals of Professional Skills & Practices ..... 3

IET 110 Engineering Graphics I ..... 3

IET 115 Engineering Graphics II ..... 3

MET 200 Computer Numerical Control ..... 3

IET 204 Industrial Statics and Strength of Materials ... 3

IET 205 Computer Applications & Cost Analysis ..... 3

MET 240 Engineering Materials ..... 3

IET 270 Engineering Technology Seminar (3 semesters)..... 0

IET 300 Engineering Economics ..... 3

MET 304 CNC Project & Cost Analysis..... 3

IET 305 Basic Electricity & Electronics..... 3

IET 310 Production Planning and Control ..... 3

IET 320 Applied Statistical Quality Control..... 3

IET 350 Industrial Supervision ..... 3

IET 355 Work Measurement/Ergonomics..... 3

IET 380 Principles of Lean ..... 3

IET 383 Power Generation Inc. Hydraulics & Pneumatics ..... 3

IET 425 Design of Experiments..... 3

IET 450 Facilities Management and Planning ..... 3

IET 470 Six Sigma Methodology ..... 3

IET 471 Senior Design ..... 1

IET 494 Career Success ..... 1

#### **Select one from: ..... 5-8**

MATH 150 Calculus with Analytical Geometry I(5)\*\*\*

MATH 302 Applied Calculus (3) AND MATH 135 Trigonometry (3)

MATH 302 Applied Calculus (3) AND MATH 140 Algebra & Trig (5)

#### **Select one from: ..... 4**

PHYS 162 Elementary College Physics II (4) prerequisite of PHYS 160

CHEM 140 General Chemistry I (3)\*\*\* .....

AND

CHEM 141 General Chemistry I Lab (1)

#### **Select one from: ..... 3**

IET 315 Probability & Statistics for Engineers

MATH 310 Elementary Statistics

GB 321 Business Statistics

#### **General Elective ..... 0-3**

#### **Total ..... 120**

\*PHYS 160 satisfies 4 hours of CORE 42 area 3B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*CHEM 140 would satisfy 3 hours of CORE 42 area 3A, MATH 150 would satisfy 3 hours of CORE 42 area 4.

## **Bachelor of Arts ..... Major Code EN03**

### **English Major - Literary Studies Emphasis**

**General Education CORE 42 Requirements 42\* ..... 33... was 38-39**

UE 100 First Year Experience\*\* ..... 1... moved

**Modern Language\* Courses in same prefix..... 10-12**

**English Requirements ..... 45**

#### **Foundations of English Study**

ENG 202 Writing & Research in English ..... 3

#### **Study of the English Language**

ENG 301 Introduction to English Linguistics

OR

ENG 400 History of the English Language ..... 3

#### **Advanced Writing:**

ENG 310 Professional Writing ..... 3

One course from ENG 216, 312, 313 OR 315 ..... 3

**Literature Surveys:** (level 200 and above, distributed as below)\*

ENG 261 or ENG 262 (World Literature) ..... 3

ENG 271 and ENG 272 (British Literature) ..... 6

ENG 281 and ENG 282 (American Literature) ..... 6

**Upper Division Literature** (select 5 from the following)\*\* 15

ENG 333, ENG 361, ENG 371, ENG 381, ENG 450, ENG 480

#### **Capstone Course:**

ENG 495 Senior Seminar ..... 3

**Electives ..... 29-31... was 24-27**

**Total Hours ..... 120\*\*\***

\*English Literature courses meets 6 hours of CORE 42 area 5A, Modern Language meets 3 hours of CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

ENG 361, ENG 371 and ENG 381 are special topic courses that may be taken more than once as different topics.

The student also will need to satisfy the computer literacy requirement as determined by the English department. Leave?

## **Bachelor of Arts ..... Major Code EN04**

### **English Major - Professional/Technical Writing Emphasis**

<b>General Education CORE 42 Requirements 42*</b>	<b>33</b>
UE 100 First Year Experience**	1
<b>Modern Language* Courses in same prefix</b>	<b>10-12</b>
<b>English Requirements***</b>	<b>42</b>
<b>Foundations of English Study</b>	
ENG 202 Writing and Research in English	3
<b>Study of the English Language</b>	
ENG 301 Introduction to English Linguistics	
OR	
ENG 400 History of the English Language	3
<b>Post-Freshman Composition Writing</b>	
One course from ENG 216 or 315	3
<b>Professional/Technical Writing</b>	
ENG 310 Professional Writing	3
ENG 312 Advanced Professional Writing	3
ENG 313 Technical Writing	3
<b>Coursework in Related Disciplines</b>	
COMM 300, 305 or 360	3
<b>Literature Core*</b>	
Minimum of 3 courses chosen from	
ENG 261, 262, 271, 272, 281, 282	9
<b>Internship with Portfolio (12)</b>	
ENG 491 Internship in English	3-6
<b>English Electives</b>	
English Electives (beyond College Composition)	6-9
<b>Electives</b>	<b>32-34</b>
<b>Total Hours</b>	<b>120****</b>

\*English Literature courses meets 6 hours of CORE 42 area 5A, Modern Language meets 3 hours of CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Must be beyond college composition and include at least 12 hours at the 300-400 level. English 325, Children's Literature, does not count toward the English major. The student also will need to satisfy the computer literacy requirement as determined by the English department. Leave??

\*\*\*\*Must include at least 39 Upper Division (300 - 400 level) hours.

## **Bachelor of Science.....Major Code EH02 or EH04 (Distance Learning Track)**

### **Environmental Health and Safety Major**

**Total minimum credit hours ..... 120**

The following four (4) requirements (General Education, EHAC Basic Science & Math, EHS Semester Block Courses, and Electives must be met for either the on campus track or the distance learning track to earn the BS degree in EHS:

#### **1) General Education Requirements (GER) of MSSU must be met for either track:**

On campus students, GE CORE 42 Requirements total hours: ..... 42

On campus GE CORE 42 Requirements, not including the 10 hours of the basic science & math courses ..... 32\*

UE 100 First Year Experience\*\* ..... 1

Distance students must earn the equivalent of MSSU on campus GER courses. Most GER courses are available from MSSU by distance learning with the exception of chemistry or physics

#### **2) EHAC Basic Science & Math Requirements must be met for either track, the minimum hours include:**

- Biology with laboratory - at least 3 semester hours, 5 quarter hours.
- Microbiology with laboratory at least 3 semester hours, 5 quarter hours
- General Chemistry with laboratories – at least a total of 6 semester hours or 10 quarter hours
- Organic Chemistry with laboratory – at least a total of 3 semester hours or 5 quarter hours.
- Physics – at least 3 semester hours or 5 quarter hours.
- Additional Basic Science – (at least 6 semester hours or 10 quarter hours), basic sciences must total at least 24 hours
- College Algebra (at least 3 hours or 5 quarter hours) or higher level

Note this list of basic science and math courses is subject to periodic change by EHAC.

EHAC Basic Science & Math may be met by taking courses off campus: 27 hours minimum

The EHAC requirements may be met with lower division 100 or 200 level courses. The EHAC science and math courses may be transferred from other colleges or universities offered on campus or online. The student should email the MSSU EHS Director prior to enrollment for EHAC science and math at other colleges or universities to affirm that the course meets EHAC requirements. Currently, MSSU only offers BIO 101 General Biology and MATH 130 College Algebra for the above list by distance learning meaning online students will have to obtain the other course requirements from other institutions.

#### **How the above EHAC Basic Science & Math may be met by taking courses on MSSU's campus hours: 32-34 hours**

BIO 101	General Biology* .....	4
	OR	
BIO 108	Principles of Biology I * .....	3
BIO 109	Principles of Biology I Lab* .....	1
	OR	
BIO 121	Human Anatomy & Physiology I* .....	4
BIO 231	General & Medical Microbiology .....	5
CHEM 140	General Chemistry I* .....	3
CHEM 141	General Chemistry I Lab* .....	1
CHEM 142	General Chemistry II .....	5
CHEM 301	Organic Chemistry I .....	5
	OR	
CHEM 310	Environmental Chemistry (5)	
PHYS 150	Environmental Physics (5) .....	4-5
	OR	
PHYS 160	Elementary College Physics I (4) (was PHYS 151)	
MATH 140	Algebra and Trigonometry (5) .....	5-6
	OR	

MATH 130/135 College Algebra (3) AND Trigonometry\*(3)6

\* BIO 101 or BIO 108/109 or BIO 121 and CHEM 140 satisfy CORE 42 area 3A&B (7 hours), required math satisfies CORE 42 area 4 (3 hours)

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

**EHAC Basic Science & Math for the distance student may be met by, minimum hours: 24+**

EHAC required science and math courses may be taken at a nearby college / university campus or by distance learning. The student should email the MSSU EHS Director prior to enrollment to determine if the course meets EHAC requirements. MSSU currently offers the following basic science and math courses by distance learning: BIO/EH 101 General Biology, MATH 130 College Algebra and MATH 135 Trigonometry.

**3) Environmental Health & Safety Semester Block Course Requirements are met by either on campus or distance track hours: 44**

**On Campus Track, hours: 44**

**EH Semester Block 1 (Fall Even) 10 cr. hrs. total**

EH 373 Solid & Hazardous Waste Mgmt. 3

EH 374 Industrial Hygiene Sampling & Management 3

EH 375 Disease Vector Control 1

EH 376 Water Quality Management 3

**EH Semester Block 2 (Spring Odd) 11 cr. hours total**

EH 370 Environmental Health and Safety 3

EH 379 Career Planning for EHS 1

EH 380 Epidemiology 3

EH 410 Hazardous Incident Management 1

EH 481 Environmental Risk and Safety Management 3

**EH Semester Block 3 (Fall Odd) 12 cr. hours total**

EH 311 Soil Morphology & Sewage Systems 3

EH 377 Food Safety 3

EH 378 Occupational Health & Safety 3

EH 382 Epidemiological Statistics 1

EH 411 Hazardous Material Safety 2

**EH Semester Block 4 (Spring Even) 9 cr. hrs. total**

EH 312 Environmental Biology 3

EH 371 Environmental Toxicology 3

EH 372 Environmental Regulations 3

**EH 495 Field Experience in EH & Safety, any semester 2**

**Distance Track, hours: 44**

**EH Semester Block 1 (Fall, Even) 12 cr. hrs. total**

EH 370 Environmental Health & Safety\*\* 3

EH 377 Food Safety 3

EH 378 Occupational Health & Safety 3

EH 380 Epidemiology\*\* 3

**EH Semester Block 2 (Spring, Odd) 11 cr. hrs. total**

EH 371 Environmental Toxicology 3

EH 373 Solid & Hazardous Waste Management 3

EH 375 Disease Vector Control 1

EH 376 Water Quality Management 3

EH 382 Epidemiology Statistics 1

**EH Semester Block 3 (Fall, Odd) 9 cr. hours total**

EH 312 Environmental Biology 3

EH 372 Environmental Regulations 3

EH 374 Industrial Hygiene Sampling & Management 3

**EH Semester Block 4 (Spring, Even) 10 cr. hours total**

EH 311 Soil Morphology & Sewage Systems 3

EH 379 Career Planning for EHS .....	1
EH 410 Hazardous Incident Management.....	1
EH 411 Hazardous Material Safety.....	2
EH 481 Environmental Risk and Safety Management .....	3
<b>EH 495 Field Experience in EH &amp; Safety, any semester.....</b>	<b>2</b>

#### **4) Elective Courses (additional hours to attain the total of 120 credit hours for the degree)**

Elective courses should complement the needs of an EHS professional or graduate school. See your EHS advisor for suggestions on elective courses.

#### **On Campus student elective hours.....10-12    was7-8**

Distance student elective hours will vary depending upon the number of hours needed to obtain the GER and EHAC basic science & math requirements.

\*Required to get into MSSU CHEM 140/141 454 & PHYS 150(no longer gen ed) or PHYS 160 454.

\*\*EH 370 and EH 380 are taught each fall and spring semester, either on campus and/or by distance; EH 370 is taught each summer semester by distance



## **Bachelor of Science in Business Administration**

### **Finance Emphasis ..... Major Code FN10**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Business Core ..... 39**

ACCT 201 Principles of Financial Accounting\* ..... 3

ACCT 202 Principles of Managerial Accounting\* ... 3

ECON 201 Principles of Economics-Macro ..... 3

ECON 202 Principles of Economics-Micro ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

#### **Finance Major ..... 27**

ECON 300 Money and Financial Institutions ..... 3

FIN 411 Investments ..... 3

FIN 435 Financial Analysis ..... 3

FIN 450 Financial Strategy ..... 3

#### **Choose One ..... 3**

ECON 301 Managerial Economics (3)

ECON 302 Intermediate Macro Economics (3)

#### **Choose One ..... 3**

FIN 400 Bank Management (3)

FIN 421 Portfolio Analysis (3)

#### **Choose Three ..... 9**

ACCT 312 Intermediate Accounting I (3)

ACCT 322 Intermediate Accounting II (3)

ECON 301 Managerial Economics (3)

ECON 302 Intermediate Macro Economics (3)

ECON 410 Introduction to Econometrics (3)

ECON 442 International Economics and Finance (3)

FIN 330 Principles of Insurance (3)

FIN 400 Bank Management (3)

FIN 421 Portfolio Analysis (3)

FIN 498 Advanced Topics in Finance (3)

FIN 499 Independent Study in Finance (3)

#### **General Electives ..... 20**

#### **Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

# **Bachelor of Science in Business Administration**

## **General Business Emphasis**

### **Major Code GB00**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Business Core ..... 39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics-Macro\* ..... 3

ECON 202 Principles of Economics-Micro\* ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

#### **Required Courses ..... 12**

**Choose 12 hrs. from at least 4 of the following 5 areas:**

##### **Accounting:**

ACCT 309 Accounting Information Systems

ACCT 385 Cost Accounting

##### **Finance/Economics:**

ECON 300 Money and Financial Institutions

FIN 411 Investments

FIN 450 Financial Strategy

##### **International Business:**

IB 400 International Marketing

IB 410 International Management

##### **Management:**

MGMT 352 Human Resource Management

MGMT 431 Operations Management

MGMT 441 Organizational Behavior

##### **Marketing:**

MRKT 401 Integrated Marketing Communications

MRKT 405 Internet Marketing

MRKT 432 Consumer Behavior

#### **Advanced Business Electives (300 level or above) ..... 12**

Choose 12 hours from courses with the following prefixes:

ACCT, ECON, ENT, FIN, GB, IB, MGMT, MRKT

**Electives ..... 23 was 18-19**

**Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

## **Bachelor of Arts ..... Major Code GE00**

### **Geography**

#### **General Education CORE 42 Requirements 42\* ..... 29**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix ..... 10-12**

#### **Geography Requirements ..... 39**

GEOG 101 Introduction to Geography\* ..... 3

GEOG 111 World Regional Geography\* ..... 3

GEOL 185 Introduction to Meteorology\* ..... 4

GEOG/GEOL 201 Physical Geography\* ..... 4

BIO/EH/GEOG 304 Intro to Geographic Information Systems ..... 3

GEOG 310 Human Geography ..... 3

OR

GEOG 301 GIS for Social Sciences (3)

PSC/SOC 340 Social Science Research Methods ..... 3... was PSC/SOC 401

PSC/SOC 350 Social Science Statistics ..... 3... was PSC/SOC 405

GEOG 490 Senior Capstone ..... 1

#### **Additional Geography courses totaling six credit hours 6**

#### **Choose two different prefixes from the following ..... 6**

ANTH 342 Comparative Cultures (3)

ANTH 370 Globalization and Native Peoples (3)

GEOL 300 Environmental Geology (3)

PSC 423 Globalization and Development (3)

SOC 361 Social Demography (3)

Or other courses as approved by academic advisor

#### **Electives and/or minor ..... 39-41**

#### **Total Hours\*\*\* ..... 120**

\*GEOG 101 satisfies 3 hours of CORE 42 area 1A, GEOL 185 satisfies 4 hours of CORE 42 area 3B, 3 hours of Modern Language satisfies 3 hours of CORE 42 area 5A and GEOG 111 satisfies 3 hours of CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Must include at least 39 upper division (300-400 level) hours.

## **Bachelor of Science.....Major Code GE01**

### **Geography**

**General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

**Geography Requirements .....48**

GEOG 101 Introduction to Geography\* ..... 3

GEOG 111 World Regional Geography\* ..... 3

GEOL 185 Introduction to Meteorology\* ..... 4

GEOG/GEOL 201 Physical Geography\* ..... 4

BIO/EH/GEOG 304 Intro to Geographic Information Systems.....3

GEOG 310 Human Geography\* ..... 3

OR

GEOG 301 GIS for Social Sciences (3)

PSC/SOC 340 Social Science Research Methods ..... 3... was PSC/SOC 401

PSC/SOC 350 Social Science Statistics ..... 3... was PSC/SOC 405

GEOG 490 Senior Capstone ..... 1

**Additional Geography courses (GEOG prefix) ..... 6**

**Choose two different prefixes from the following..... 6**

ANTH 342 Comparative Cultures (3)

ANTH 370 Globalization and Native Peoples (3)

GEOL 300 Environmental Geology (3)

PSC 423 Globalization and Development (3)

SOC 361 Social Demography (3)

Or other courses as approved by academic advisor

**Science, Computer Science or Math\*\*\* ..... 9**

**Electives and/or minor..... 39**

**Total Hours ..... 120**

\*GEOG 101 satisfies 3 hours of CORE 42 area 1A, GEOL 185 satisfies 4 hours of CORE 42 area 3B, and GEOG 111 satisfies 3 hours of CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Includes courses from: BIO, CHEM, MATH, GEOL, EH, PHYS and CIS.

## **Bachelor of Science in Health Science .....Major Code HS01**

### **Dental Hygiene Option**

<b>General Education CORE 42 Requirements 42*</b>	<b>26</b>
UE 100 First Year Experience**	1
<b>Health Sciences Core</b>	<b>18</b>
HS 305 Intercultural Communication*	3
HS 350 Fundamentals of Organizational Management	3
STATS MATH 310, GB 321, SOC 350 or PSY 320	3
HS 370 Environmental Health and Safety (3)	
OR	
HS 380 Epidemiology	3
HS 390 Health Care Systems	3
<b>Choose One:</b>	<b>3</b>
HS 312 Biomedical Ethics (3)	
HS 340 Theory & Practice Teaching Health Science (3)	
HS 402 Evidence Based Practice (3)	
<b>Dental Hygiene Requirements</b>	<b>73</b>
BIO 121 Anatomy and Physiology I *	4
BIO 221 Anatomy and Physiology II	5
BIO 231 General & Medical Microbiology	5
BIO 240 Radiation Biology	3
CHEM 121 Chemistry for Allied Health Science*@	3
CHEM 122 Chemistry for Allied Health Science Lab@	1
PSY 100 General Psychology*	3
SOC 110 Introduction to Sociology *	3
DH 101 Fundamentals of Dental Hygiene	2
DH 103 Fundamentals of Dental Hygiene I-Lab	2
DH 105 Fundamentals of Instrumentation	2
DH 120 Medical Emergencies	2
DH 140 Dental Morphology	1
DH 150 Oral Histology and Embryology	3
DH 160 Dental Radiology Lecture	2
DH 165 Dental Radiology Lab	1
DH 190 Clinical Dental Hygiene I	4
DH 210 Pain Management	1
DH 220 Dental Materials	1
DH 225 Dental Materials Lab	1
DH 290 Clinical Dental Hygiene II	4
DH 295 Seminar in Dental Hygiene I	1
DH 300 Community Dental Health Education	3
DH 301 Community Health Practicum	1
DH 310 Nutrition	2
DH 320 Pharmacology	2
DH 340 Oral Pathology	3
DH 350 Periodontics	3
DH 390 Clinical Dental Hygiene III	4
DH 395 Senior Seminar	1
<b>Electives Upper Division***</b>	<b>2</b>
<b>Total Hours</b>	<b>120</b>

\*BIO 121 and CHEM 121 satisfies CORE 42 area 3A&B (7 hrs), PSY 100 and SOC 110 satisfy CORE 42 area 1A (6 hrs), HS 305 satisfies CORE 42 area I (3 hrs). @CHEM 121 and 122 or CHEM 140 and 141 meet the Dental Hygiene requirement

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Two hours of upper division electives needed after completion of the Dental Hygiene and Health Science Core.

Students who transfer with an Associate's Degree in Dental Hygiene may qualify for upper division retro-credit hours. See department for details.

## **Bachelor of Science in Health Science .....Major Code HS06**

### **Paramedic Option**

#### **General Education Core 42 Requirements 42\* ..... 29**

UE 100 First Year Experience\*\* ..... 1

#### **Health Sciences Core ..... 18**

HS 305 Intercultural Communication\* ..... 3

HS 350 Fundamentals of Organizational Management ..... 3

STATS MATH 310, GB 321, SOC 405 or PSY 320..... 3

HS 370 Environmental Health and Safety (3)

OR

HS 380 Epidemiology ..... 3

HS 390 Health Care Systems..... 3

**Choose One:**..... 3

HS 312 Biomedical Ethics (3)

HS 340 Theory & Practice Teaching Health Science (3)

HS 402 Evidence Based Practice (3)

#### **Paramedic Certificate Requirements .....47**

PARA 101 Escaping Violent Encounters ..... 1

PARA 220 Emergency Medical Technician ..... 9

PARA 251 EMS Foundations ..... 1

PARA 252 EMS Pharmacology ..... 2

PARA 253 EMS Pathophysiology..... 2

PARA 254 Pulmonology ..... 2

PARA 255 Paramedic Skills ..... 3

PARA 256 Pre-Hospital Cardiology ..... 4

PARA 272 Traumatology..... 4

PARA 273 Emergency Medical Care ..... 3

PARA 275 Advanced Paramedic Skills ..... 3

PARA 292 EMS Operations ..... 1

PARA 293 Special Patient Populations ..... 1

PARA 370 Clinical Practicum ..... 4

PARA 390 Field Internship ..... 6

PARA 395 EMS Seminar ..... 1

#### **Additional Requirements ..... 20**

BIO 121 Human Anatomy and Physiology I\* ..... 4

~~CHEM 120 Chemistry for Allied Health Sciences\*~~..... 5

CHEM 121 Chemistry for Allied Health Science\*@..... 3

CHEM 122 Chemistry for Allied Health Science Lab@ .... 1

PSY 100 General Psychology\* ..... 3

~~HS 340 Theory & Practice Teaching Health Science~~..... 3

PARA 401 EMS Systems ..... 3

PARA 402 EMS Leadership ..... 3

PARA 411 EMS Research..... 3



**Electives** ..... 5

**Total Hours** ..... **120**

\*BIO 121 (4 hrs) meets Gen. Ed. area 3B, CHEM 121 (3 hrs) meets Gen. Ed. area 3A, PSY 100 meets (3 hrs) of Gen. Ed. area 1A, HS 305 (3 hrs) meets Gen. Ed. area 5C.

HS 340 listed twice, should it still be part of pick 3 for HS core? If so and a student takes HS 340 they will be 3 hours short

## **Bachelor of Science in Health Science ..... Major Code HS02**

### **Radiologic Technology Option**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100	First Year Experience**	1
BIO 121	Anatomy and Physiology I*	4
PSY 100	General Psychology*	3

#### **Health Sciences Core ..... 18**

HS 305	Intercultural Communication*	3
HS 350	Fundamentals of Organizational Management	3
STATS	MATH 310, GB 321, SOC 350 or PSY 320	3
HS 370	Environmental Health and Safety (3)	

OR

HS 380	Epidemiology	3
HS 390	Health Care Systems	3

#### **Choose One: ..... 3**

HS 312	Biomedical Ethics (3)	
HS 340	Theory & Practice Teaching Health Science (3)	
HS 402	Evidence Based Practice (3)	

#### **Radiology Requirements ..... 57**

BIO 221	Anatomy and Physiology II	5
BIO 240	Radiation Biology	3
RAD 100	Basic Concepts in Radiology	3
RAD 101	Introduction to Radiology	3
RAD 110	Clinical Training I	2
RAD 111	Medical Terminology	3
RAD 132	Principles of Radiographic Exposure	4
RAD 142	Radiographic Positioning I	4
RAD 170	Radiologic Physics	3
RAD 210	Clinical Training II	2
RAD 241	Radiographic Positioning II	3
RAD 300	Clinical Training III	2
RAD 301	Image Critique and Quality Management	2
RAD 320	Radiographic Positioning III	3
RAD 340	Clinical Training IV	3
RAD 350	Patient Care & Radiation Protection	3
RAD 360	Clinical Training V	3
RAD 370	Advanced Topics in Radiology	3
RAD 399	Advanced Radiology	3

#### **Electives ..... 5**

#### **Total Hours ..... 120**

\*BIO 121 satisfies 4 hours of CORE 42 area 3B, PSY 100 satisfies 3 hours of CORE 42 area 1A and HS 305 satisfies area 5C (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Students who transfer with an Associate's Degree in Radiology may qualify for upper division retro-credit hours. See department for details.

## **Bachelor of Science in Health Science ..... Major Code HS03**

### **Respiratory Therapy Option**

#### **General Education CORE 42 Requirements 42\* ..... 35**

UE 100 First Year Experience\*\* ..... 1

#### **Health Sciences Core ..... 18**

HS 305 Intercultural Communication\* ..... 3

HS 350 Fundamentals of Organizational Management ..... 3

STATS MATH 310, GB 321, SOC 350 or PSY 320 ..... 3

HS 370 Environmental Health and Safety (3)

OR

HS 380 Epidemiology ..... 3

HS 390 Health Care Systems ..... 3

**Choose One:** ..... 3

HS 312 Biomedical Ethics (3)

HS 340 Theory & Practice Teaching Health Science (3)

HS 402 Evidence Based Practice (3)

#### **Respiratory Requirements ..... 61**

BIO 121 Anatomy and Physiology I\* ..... 4

RESP 101 Respiratory Therapy Foundations ..... 3

RESP 102 Cardiopulmonary Sciences ..... 3

RESP 105 Cardiopulmonary Anatomy and Physiology ... 3

RESP 107 Respiratory Therapy Procedures ..... 3

RESP 108 Respiratory Procedures Lab ..... 3

RESP 120 Cardiopulmonary Pathology ..... 3

RESP 125 Respiratory Therapy Clinical I ..... 3

RESP 129 Cardiopulmonary Pharmacology ..... 3

RESP 222 Introduction to Mechanical Vent ..... 4

RESP 226 Cardiopulmonary Diagnostic ..... 3

RESP 239 Respiratory Therapy Clinical II ..... 5

RESP 307 Cardiopulmonary Assessment ..... 6

RESP 311 Neonatal/Pediatric Care ..... 3

RESP 312 Mechanical Ventilation ..... 3

RESP 313 Alternate Site Respiratory Therapy ..... 3

RESP 340 Advanced Level Clinical Practice ..... 5

RESP 341 Research, Issues, Methods ..... 1

#### **Electives ..... 5**

#### **Total Hours ..... 120**

\*BIO 121 satisfies 4 hours of CORE 42 area3B, HS 305 satisfies CORE 42 area 5C (3 hrs).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Students who transfer with an Associate's Degree in Respiratory Care may qualify for upper division retro-credit hours. See department for details-

## **Bachelor of Science in Health Science ..... Major Code HS05**

### **Business / Life-Health Science Option**

#### **General Education CORE 42 Requirements 42\* ..... 29**

UE 100 First Year Experience\*\* ..... 1

#### **Health Sciences Core ..... 18**

HS 305 Intercultural Communication\* ..... 3

HS 350 Fundamentals of Organizational Management\*\*\* ..... 3

STATS MATH 310, GB 321, SOC 350 or PSY 320 ..... 3

HS 370 Environmental Health and Safety (3)

OR

HS 380 Epidemiology ..... 3

HS 390 Health Care Systems ..... 3

**Choose One:** ..... 3

HS 312 Biomedical Ethics (3)

HS 340 Theory & Practice Teaching Health Science (3)

HS 402 Evidence Based Practice (3)

#### **Health Science Business Emphasis Requirements**

#### **Minor in General Business 21\*\* ..... 18**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 202 Principles of Economics – Micro\* ..... 3

FIN 350 Financial Management ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management\*\*\* ..... 3

#### **Life/Health Science Requirements ..... 19-22**

BIO 121 Human Anatomy and Physiology I\* ..... 4

AND

BIO 221 Human Anatomy and Physiology II ..... 5

**OR**

BIO 101 General Biology\* ..... 4

AND

BIO 201 Human Anatomy ..... 4

AND

BIO 301 Human Physiology ..... 4

(BIO 121/221 9 hrs **OR** BIO 101/201/301 12 hrs)

KINE 385 Nutrition for Human Development ..... 3

RAD 111 Medical Terminology ..... 3

CHEM 121 Chemistry for Allied Health\* ..... 3

CHEM 122 Chemistry for Allied Health Lab ..... 1

#### **Electives\*\*\*\* ..... 32-35**

#### **Total Hours ..... 120**

\*BIO 101 or 121 (4 hrs) and CHEM 121 (3 hrs) satisfies CORE 42 area 3A&B (7 hrs total), ECON 202 satisfies 3 hrs of Core 42 area 1A, HS 305 satisfies are 5C (3 hrs).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 350/HS 350 Fundamentals of Organizational Management included in Health Science Core.

\*\*\*\* Twelve hours of Upper Division electives required to meet 39 upper division hours required for a baccalaureate degree.

## **Bachelor of Arts .....Major Code HI00**

### **History Major**

<b>General Education CORE 42 Requirements 42*</b>	<b>30</b>
UE 100 First Year Experience**	1
<b>Modern Language* Courses in same prefix</b>	<b>10-12</b>
<b>History Requirements</b>	<b>45</b>
HIST 110 U.S. History 1492-1877*	3
OR	
HIST 120 U.S. History 1877-Present*	
HIST 180 Modern Global History*	3
Choose 3 of the following:	9
HIST 130 Western Civilization to 1660	
HIST 140 Western Civilization Since 1660	
HIST 150 Asian Civilizations	
HIST 160 History of Latin America	
HIST 201 Introduction to Historical Research	3
HIST 497 Seminar in Historical Research	3
Upper Division U.S. History Courses	6
Upper Division European/ courses	3
Upper Division Latin American/Asian/Global courses	6
History Electives (6 hours must be upper division)	9
<b>General Electives (minor recommended)</b>	<b>32-34</b>
<b>Total</b>	<b>120***</b>

Prerequisites apply for all upper-division History courses.

\*Required History courses and Modern Language satisfy 12 hours of CORE 42 in Area 1A or 1B, Area 5A and/or area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

Updated 4/4/18 to reflect CORE 42

HIST 110 or 120 fulfills Area 1B, HIST 180 meets 3 hours area 1A, 6 hours of Modern Language meets 3 hours of Area 5A and 3 hours of Area 5C.

## **Bachelor of Science in Business Administration**

### **International Business Emphasis .....Major Code IB00**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Business Core ..... 39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics-Macro\* ..... 3

ECON 202 Principles of Economics-Micro ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\* ..... 3

#### **Required ..... 15**

IB 400 International Marketing ..... 3

IB 410 International Management ..... 3

IB 430 International Trade Finance ..... 3

IB 460 Global Supply Chain Management ..... 3

Modern Language ..... 3

#### **Choose one: ..... 3**

IB 491 Internship in International Business

IB 498 Advanced Topics in International Business

IB 499 Independent Study in International Business

#### **Choose one: ..... 3**

IB 352 International Human Resource Management

INTS 304 Comparative Political Economy

#### **Electives ..... 26**

#### **Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.



## **Bachelor of Arts .....Major Code IS00**

### **International Studies Major**

#### **General Education CORE 42 Requirements 42\* ..... 27**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language\* (Courses in same prefix) ..... 10-12**

#### **International Studies Requirements:..... 57**

INTS 201 Introduction to International Studies ..... 3

GEOG 111 World Regional Geography\* ..... 3

MUS 106 World Music\* ..... 3

**Select one:** ..... 3

HIST 140 Western Civilization since 1660 (3)\*

HIST 150 Asian Civilizations (3)\*

HIST 160 History of Latin America (3)\*

HIST 180 Modern Global History (3)\*

**Select one:** ..... 3

ENG 261 World Literature I (3\*)

ENG 262 World Literature II (3)\*

#### **Upper-Division Requirements**

INTS 301 World Humanities ..... 3

INTS 302 Environment and Society ..... 3

INTS 303 Contemporary World Civilizations ..... 3

INTS 306 Introduction to Global Health ..... 3

INTS 320 Teaching English Abroad I ..... 3

IB 310 International Business ..... 3

#### **Supporting Courses (select five) ..... 15**

COMM 305 Intercultural Communications (3)

INTS 308 Model United Nations (3)

INTS 321 Teaching English Abroad II (3)

INTS 322 Teaching English Practicum (3)

INTS 370 Globalization and Native Peoples (3)

INTS 402 Senior Thesis (3)

PHIL 320 Comparative Religion (3)

SOC 303 The Arab World (3)

PSC 321 International Relations (3)

PSC 352 Introduction to Comparative Politics (3)

PSC 423 Globalization and Development (3)

PSC 434 American Foreign Policy (3)

ENG 361 Studies in World Literature (3)

CJAD 370 International Terrorism (3)

Upper division Asian, European, Latin American or Global History course (3)

Research methods course (3)

Modern language course not in language of emphasis (3 or 5)

Modern language course not in language of emphasis (3 or 5)

#### **Supporting Requirements:**

Modern Language ..... 6

(6 additional hours in the modern language used to satisfy the BA requirement)

Study Abroad ..... 3

Participation in a study abroad experience with the approval of the Director of the Institute of International Studies. Students may participate in a university-sponsored program (minimum of 3 credit hours), an ISEP or bilateral exchange semester or year abroad. Students with special circumstances may petition to have an alternate immersion experience approved for this requirement.

**Electives ..... 23-25... was 15-18**

**Total ..... 120\*\*\***

\* Three hours of Modern Language and ENG 261 or 262 completes CORE 42 area 5A, GEOG 111 satisfies 3 hours of CORE 42 area 1A, MUS 106 satisfies CORE 42 area 5B, HIST 140,150,160 or 180 satisfy CORE area 5C

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Must include at least-39 upper-division (300-400 level) hours.

## **Bachelor of Science.....Major Code KI00**

### **Health Promotion and Wellness Major**

#### **General Education CORE 42 Requirements 42\* ..... 30**

UE 100 First Year Experience\*\* ..... 1

#### **Kinesiology Requirements..... 45**

KINE 113 Wellness for the Health Professional\* (2)

OR

KINE 103 Lifetime Wellness\* ..... 2

KINE 114 Fitness Programming & Assessment ..... 2

KINE 220 First Aid and Sport Safety..... 2

KINE 292 Fitness and Weight Training..... 2

KINE 295 Orientation to Health Promotion/Wellness ..... 1

KINE 305 Aging and Health ..... 2

KINE 340 Motor Learning ..... 2

KINE 342 Biomechanical Analysis..... 3

KINE 345 Tests and Measurements in Physical Education..... 2

KINE 351 Exercise Interventions ..... 3

KINE 352 Administration in Health Promotion ..... 3

KINE 375 Adapted Physical Education..... 3

KINE 380 Research Methods in Health & Exercise Science..... 2

KINE 385 Nutrition for Human Development ..... 3

KINE 395 Practicum in Wellness ..... 2

KINE 431 Physiology of Exercise ..... 3

KINE 432 Physiology of Exercise, Laboratory ..... 2

KINE 491 Internship in Wellness ..... 6

#### **Supporting Requirements..... 20-21**

BIO 121 Human Anatomy and Physiology I/Lab ..... 4

OR

BIO 180 Essential Anatomy and Physiology/Lab (4)

MATH 140 Algebra and Trigonometry\* ..... 5-6

OR

MATH 130 (3) and 135 (3)

BIO 201 Human Anatomy ..... 5

OR

BIO 221 Human Anatomy and Physiology II (5)

PSY 221 Psych of Personal Adjustment ..... 3

OR

PSY 205 Child and Adolescent Development (3)

OR

PSY 432 Abnormal Psychology (3)

GB 320 Business Communication ..... 3

#### **Supporting Electives - to total minimum of ..... 21**

BIO 301 Human Physiology\*\*\* ..... 4

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

CHEM 142 General Chemistry II\*\*\* ..... 5

KINE 367 Socio-Psychological Aspects of Physical Education ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 352	Human Resource Management .....	3
MGMT 441	Organizational Behavior .....	3
PHYS 162	Elementary College Physics II*** .....	4
PSY 282	Applied Behaviorism .....	3
PSY 320	Applied Statistics*** .....	3
	OR	

Other approved electives ..... 4

**Total ..... 120**

\*KINE 103 or 113 satisfies Core42 area 5D (2 hours) three hours of MATH satisfy CORE 42 area 4 (MATH 140 or MATH 130/135), BIO 121 or 180 (4 hrs) and CHEM 140 (3 hrs) satisfy CORE 42 area 3A&B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Suggested courses for students pursuing the clinical track.

^ Area 3A/B of CORE 42: BIO 121 for clinical students/BIO 180 for non-clinical students. (Report 4084913 AP 4/25/17)

Supporting electives are approved by the Kinesiology Department and selected with approval of a Kinesiology advisor. The Kinesiology advisor will assist students in selecting “supporting electives” appropriate to their career goals. The number of credit hours varies between 18-22.

The Supporting Electives for the 2018-2019 Catalog for KI00: Health Promotion and Wellness vary based upon the direction the student selects: clinical or non-clinical. With the change to Degree Audit, the system is now able to be programmed to accept more “potential” selections, thereby requiring fewer academic petitions.

ACCT 201 Principles of Fin. Accounting	(3)
BIO 231 General & Medical Microbiology	(5)
BIO 301 Human Physiology	(4)
BIO 305 Genetics	(4)
BIO 308 Pathophysiology	(4)
BIO 331 Comparative Vertebrate Anatomy	(5)
BIO/EH/HS 370 Environmental Health & Safety	(3)
BIO/EH/HS 380 Epidemiology	(3)
CHEM 151 General Chem. I	(5)
CHEM 152 General Chem. II	(5)
CHEM 301 Organic Chemistry I	(5)
COMM 211 Intro to Public Relations	(3)
COMM 215 Interpersonal Communications	(3)
COMM/HS 305 Intercultural Communication	(3)
EH 382 Epidemiological Statistics	(1)
ENT 204 Initial Capitalization	(1)
ENT 206 Ent Computerized Accounting	(1)
ENT 210 The Mgmt Process Entrepreneurs	(1)
ENT 212 HR Issues Entrepreneurs	(1)
ENT 214 Ent Pricing Strategies	(1)
ENT 305 Entrepreneurial Fin Analysis	(1)
ENT 311 Entrepreneurship Strategy	(1)
ENT 313 Ent Marketing Strategies	(1)
GB 321 Business Statistics	(3)
GEOG 301 GIS for Social Sciences	(3)
GEOG/BIO/EH 304 Intro to Geog. Info Sys.	(3)
INTS 306 Introduction to Global Health	(3)
HS 111 Medical Terminology	(3)
HS/PHIL 312 Biomedical Ethics	(3)
HS 390 Health Care Systems	(3)
KINE 150 Rules and Officiating	(3)
KINE 255 Dance and Rec. Pursuits	(2)
KINE 355 Lifetime Sports Academy Practicum	(1)
KINE 367 Socio-Psy Aspects of P.E.	(3)
KINE 450 Prevention & Care of Injuries	(3)

IB 310 International Business	(3)
IB 352 International HR Mgmt	(3)
IB 400 International Marketing	(3)
IB 410 International Management	(3)
IB 460 Global Supply Chain Management	(3)
MGMT 237 Using Info Systems	(3)
MGMT 337 Management Info Systems	(3)
MGMT/HS 350 Fund of Org Management	(3)
MGMT 352 HR Management	(3)
MGMT 354 Quality Management	(3)
MGMT 411 Employment Law	(3)
MGMT 431 Operations Management	(3)
MGMT 441 Org. Behavior	(3)
MRKT 300 Principles of Marketing	(3)
PARA 220 Emergency Medical Technician	(9)
PHIL 212 Ethics	(3)
PHIL/HS 312 Biomedical Ethics	(3)
PHYS 151 Elem. College Physics I	(5)
PHYS 152 Elem. College Physics II	(4)
PSY 200 Child Development	(3)
Psy 201 Adolescent Development	(3)
PSY 205 Child & Adol. Psychology	(3)
PSY 221 Personal Adjustment	(3)
PSY 282 Applied Behaviorism (F)	(3)
PSY 310 Educational Psychology	(3)
PSY 320 Applied Stats.for Beh.&Nat. Sci	(3)
PSY 341 Social Psychology (F)	(3)
PSY 386 Conditioning and Learning	(3)
PSY 432 Abnormal Psychology	(3)
PSY 442 Physiological Psychology (S-Even)	(3)
PSY 443 Cognitive Psychology	(3)
PSY 475 Adult Development & Aging (F)	(3)
SOC 110 Intro to Sociology	(3)
SOC 306 Social Gerontology	(3)
SOC 322 Sociology of Work & Leisure	(3)
SOC 354 Medical Sociology	(3)

## **Bachelor of Science..... Major Code IE03**

### **Logistics**

#### **General Education CORE 42 Requirements 42 ..... 42**

UE 100 First Year Experience\* ..... 1

#### **Logistics Major..... 49**

ACCT 201 Principles of Financial Accounting ..... 3

GB 301 Legal Environment of Business ..... 3

GB 321 Business Statistics I..... 3

IET 105 Fund Professional Skills & Practices ..... 3

IET 205 Computer Applications & Cost Analysis..... 3

IET 300 Engineering Economics ..... 3

IET 310 Production Planning and Control ..... 3

IET 355 Work Measurement ..... 3

IET 380 Principles of Lean ..... 3

IET 494 Career Success ..... 1

LOGT 340 Principles of Transportation ..... 3

LOGT 345 Business Logistics ..... 3

LOGT 360 Supply Chain Management ..... 3

MRKT 300 Principles of Marketing ..... 3

#### **Select one from: ..... 3**

**IB 400 International Marketing (3)**

**IB 460 Global Supply Chain Management (3)**

#### **Select two from: ..... 6**

ACCT 202 Principles of Managerial Acct (3)

CIS 202 Information Systems I (3)

GB 302 Legal Environment of Business II (3)

GB 320 Business Communication (3)

~~IB~~ LOGT 491 Internship in Logistics (3)

IET 320 Applied Statistical Quality Control (3)

IET 470 Six Sigma Methodology (3)

**Electives ..... 28**

**Total .....120\*\***

\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*Must include at least 39 upper division (300-400 level) hours.

Suggested general education CORE 42 curriculum choices: ECON 201 (area 1A), IB 310 (area 5C)

# **Bachelor of Science in Business Administration**

## **Management Emphasis..Major Code MM00**

**General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

**Business Core ..... 39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics-Macro\* ..... 3

ECON 202 Principles of Economics-Micro\* ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

**Management Emphasis ..... 21**

MGMT 337 Management Information Systems ..... 3

MGMT 352 Human Resource Management ..... 3

MGMT 411 Employment Law ..... 3

MGMT 431 Operations Management ..... 3

MGMT 441 Organizational Behavior ..... 3

Select Two: From the list below ..... 6

IB 352, IB 410, MGMT 354, MGMT 447, MGMT 491, MRKT 321, MRKT 312

**Electives ..... 26**

**Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.



## **Bachelor of Science in Business Administration**

### **Human Resource Mgmt. Emphasis ..... Major Code MM04**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Business Core ..... 39**

ACCT 201 Principles of Financial Accounting .....3

ACCT 202 Principles of Managerial Accounting.....3

ECON 201 Principles of Economics-Macro\* .....3

ECON 202 Principles of Economics-Micro\* .....3

FIN 350 Financial Management .....3

GB 301 Legal Environment of Business I .....3

GB 320 Business Communication .....3

GB 321 Business Statistics I.....3

IB 310 International Business\* .....3

MGMT 237 Using Information Systems .....3

MRKT 300 Principles of Marketing .....3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* .....3

#### **Human Resource Management Emphasis ..... 21**

MGMT 352 Human Resource Management .....3

MGMT 411 Employment Law .....3

MGMT 441 Organizational Behavior .....3

MGMT 445 Compensation and Benefits.....3

MGMT 447 Employee Training and Development...3

Select Two: (MGMT 354, MGMT 431, MGMT 491, MRKT 321)6

#### **Electives ..... 26**

#### **Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

## **Bachelor of Science in Business Administration**

### **Marketing Emphasis.....Major Code MM03**

**General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

**Business Core ..... 39**

ACCT 201 Principles of Financial Accounting ..... 3

ACCT 202 Principles of Managerial Accounting ..... 3

ECON 201 Principles of Economics-Macro\* ..... 3

ECON 202 Principles of Economics-Micro\* ..... 3

FIN 350 Financial Management ..... 3

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication ..... 3

GB 321 Business Statistics I ..... 3

IB 310 International Business\* ..... 3

MGMT 237 Using Information Systems ..... 3

MRKT 300 Principles of Marketing ..... 3

MGMT 350 Fundamentals of Organizational Management ..... 3

MGMT 452 Strategic Management\*\*\* ..... 3

**Marketing Emphasis ..... 21**

MRKT 401 Integrated Marketing Communications . 3

MRKT 432 Consumer Behavior ..... 3

MRKT 470 Marketing Research..... 3

MRKT 472 Marketing Strategy..... 3

Choose three: (IB 400, MRKT 312, MRKT 321, MRKT 405)..... 9

**Electives ..... 26**

**Total ..... 120**

\*ECON 201 and 202 satisfies 3 hours of CORE 42 area 1A. IB 310 satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*MGMT 452 should be taken during the last semester of university work.

## **Bachelor of Science.....Major Code MA00**

### **Mathematics Major**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

#### **Mathematics Requirements..... 40**

MATH 150 Calculus with Analytic Geometry I\* ..... 5

MATH 250 Calculus with Analytic Geometry II .....4s

MATH 260 Calculus with Analytic Geometry III ..... 4

MATH 300 Fundamentals of Mathematical Thought..... 3

MATH 340 Discrete Mathematics ..... 3

MATH 342 Abstract Algebra ..... 3

MATH 351 Linear Algebra ..... 3

MATH 421 Intro to Advanced Calculus ..... 3

Mathematics Electives..... 12

Students must take 12 hours of Math numbered 310 or higher not including Math 312, 315, or 339

At least one of these courses must be Math 350, 371, or 452

#### **Supporting Requirements ..... 13**

PHYS 270 General Physics I/Lab..... 4

Natural Science CORE 42 course (not PHYS 160)..... 3

CIS 110 Programming I..... 3

CIS 210 Programming II..... 3

#### **Electives ..... 34**

**Total ..... 120\*\*\***

\*Required mathematics satisfies 3 hours of CORE 42 area 4, Natural Science choice (3) and PHYS 270 (4) satisfy CORE 42 area 3A and B (7 hours).

\*\*Degree requirement H may also be met by HNRS 101 (2 credit hours)

\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Science.....Major Code MA01**

### **Mathematics Major: Computational Mathematics Option**

<b>General Ed CORE 42 Requirement.....</b>	<b>42* 32</b>
UE 100 First Year Experience** .....	1
<b>Mathematics Requirements.....</b>	<b>34</b>
MATH 150 Calculus with Analytic Geometry I .....	5
MATH 250 Calculus with Analytic Geometry II .....	4
MATH 260 Calculus with Analytic Geometry III .....	4
MATH 300 Fundamentals of Mathematical Thought.....	3
MATH 340 Discrete Mathematics .....	3
MATH 350 Introduction to Numerical Analysis.....	3
MATH 351 Linear Algebra .....	3
MATH 361 Probability and Statistics I.....	3
MATH 371 Introduction to Operations Research .....	3
MATH 421 Introduction to Advanced Calculus .....	3
<b>CIS Core Requirements .....</b>	<b>27</b>
CIS 202 Information Systems I.....	3
CIS 310 Database Management Systems I.....	3
CIS 315 Computer Networks .....	3
CIS 345 UNIX System Administration .....	3
CIS 350 Data Structures.....	3
CIS 375 IT Project Management .....	3
CIS 410 Information Systems II .....	3
CIS 425 Database Management Systems II.....	3
CIS 450 Operating Systems .....	3
<b>Supporting Requirements .....</b>	<b>13</b>
PHYS 270 General Physics I* .....	4
Natural Science CORE 42 course (not PHYS 160).....	3
CIS 110 Programming I .....	3
CIS 210 Programming II .....	3
<b>Electives .....</b>	<b>13</b>
<b>Total .....</b>	<b>120</b>

This program is the same as the Bachelor of Science in CIS, Computer Science (Computational MATH Option). Students selecting this option will graduate with a double major, Mathematics and Computer Information Science.

\*Required mathematics satisfies 3 hours of CORE 42 area 4, Natural Science course satisfies 3 hours of CORE 42 area 3A, PHYS 270 satisfies 4 hours of CORE 42 area 3B.

\*\*Degree requirement H may also be met by HNRS 101 (2 credit hours)

## **Bachelor of Science..... Major Code CI02**

### **CIS and Mathematics Major Computational Math Option**

#### **General Ed CORE 42 Requirement..... 42\* 32**

UE 100 First Year Experience\*\* ..... 1

#### **CIS Core Requirements ..... 33**

CIS 110 Programming I ..... 3

CIS 202 Information Systems I ..... 3

CIS 210 Programming II ..... 3

CIS 310 Database Management Systems I ..... 3

CIS 315 Computer Networks ..... 3

CIS 345 UNIX System Administration ..... 3

CIS 350 Data Structures ..... 3

CIS 375 IT Project Management ..... 3

CIS 410 Information Systems II ..... 3

CIS 425 Database Management Systems II ..... 3

CIS 450 Operating Systems ..... 3

#### **Mathematics Core ..... 34**

MATH 150 Calculus I ..... 5

MATH 250 Calculus with Analytic Geometry II ..... 4

MATH 260 Calculus with Analytic Geometry III ..... 4

MATH 300 Fundamentals of Math Thought ..... 3

MATH 340 Discrete Mathematics ..... 3

MATH 350 Introduction to Numerical Analysis ..... 3

MATH 351 Linear Algebra ..... 3

MATH 361 Probability and Statistics I ..... 3

MATH 371 Operations Research ..... 3

MATH 421 Introduction to Advanced Calculus ..... 3

#### **Supporting Requirements ..... 7**

PHYS 270 General Physics ..... 4

Natural Science CORE 42 course (not PHYS 160) ..... 3

#### **General Electives ..... 13**

Total ..... 120

Required mathematics satisfies 3 hours of CORE 42 area 4, Natural Science course satisfies 3 hours of CORE 42 area 3A, PHYS 270 satisfies 4 hours of CORE 42 area 3B

\*\*Degree Requirement H may also be met by HNRS 101 (2 credit hours)

**Bachelor of Science ..... Major Code ML00**

**Medical Lab Science Applicant Code ML01**

## **Medical Laboratory Science**

**General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

**Biology Requirements ..... 25-27**

BIO 121 Human Anatomy and Physiology I\* ..... 4

BIO 221 Human Anatomy and Physiology II\*\*\* ..... 5

BIO 231 General and Medical Microbiology\*\*\* ..... 5

BIO 305 Genetics\*\*\* ..... 4

BIO 456 Immunology\*\*\* ..... 4

And one of the following three courses: ..... 3-5

BIO 362 Virology\*\*\* (3)

BIO 442 Pathogenic Bacteriology\*\*\* (5)

BIO 308 Pathophysiology\*\*\* (4)

**Chemistry Requirements..... 24**

CHEM 140 General Chemistry I\* ..... 3

CHEM 141 General Chemistry I Lab ..... 1

CHEM 142 General Chemistry II..... 5

CHEM 201 Analytical Chemistry I\*\*\* ..... 5

CHEM 301 Organic Chemistry I\*\*\* ..... 5

CHEM 350 Biochemistry\*\*\* ..... 3

CHEM 355 Biochemical Techniques ..... 2

**Other Requirements..... 9**

PHYS 160 Elementary College Physics I\* ..... 4

MATH 140 Algebra and Trigonometry\* ..... 5

**400 Level Medical Lab Science Courses (at Hospital) .....32**

**Total Hours.....123-125**

\*BIO 121 and CHEM 140 or PHYS 160 satisfy CORE 42 area 3A&B (7 hours), MATH 140 satisfies CORE 42 area 4 (3 hours)

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See course descriptions for prerequisites.



## **Bachelor of Arts ..... Major Code FL01**

### **French Concentration Major**

#### **General Education Core 42 Requirements 42\* ..... 36**

UE 100 First Year Experience\*\* ..... 1

#### **French Requirements ..... 36**

FREN 102 Beginning French II ..... 3

FREN 203 Intermediate French I ..... 3

FREN 204 Intermediate French II ..... 3

FREN 300 Advanced French\*\*\* ..... 3

FREN Electives (300 level or higher) ..... 24

#### **Additional Requirements\*\*\*\***

##### **1. Proficiency examinations (See below)**

##### **2. Immersion Experience (See below)**

**Electives ..... 47**

**Total Hours ..... 120\*\*\*\*\***

A total of 27 credit hours of upper division language courses (9 classes) of the same language prefix are required to graduate with a Bachelor of Arts in Modern Languages with a concentration in either French or Spanish.

FREN 102, 203, 204 must be taken (OR a candidate must take a placement test and petition for retro-credit for lower division courses that were "skipped")

\*One Modern Language course satisfies 3 hours of General Education Core 42 Requirement area 5A (6 hours required). One Modern Language course satisfied 3 hours of General Education Core 42 Requirement area 5C.

\*\*Institutional requirement UE 0100 may also be met by HNRS 0101 (2 credit hours).

\*\*\*FREN 300 Advanced French must be taken at MSSU.

\*\*\*\*Additional requirements for the French major are:

1. Current senior proficiency examinations (5 exams, a candidate must pass 3 out of the 5)
2. Immersion Experience (Internship) – use of language concentration is paramount, and the immersion experience must be pre-approved by the department chair. There is a cap of 9 credit hours of internships. Study abroad or an immersion experience (internship) must be completed.

\*\*\*\*\*Must include 39 upper-division hours

## **Bachelor of Arts ..... Major Code FL02**

### **Spanish Concentration Major**

#### **General Education Core 42 Requirements 42 .....36**

UE 100 First Year Experience\*\* ..... 1

#### **Spanish Requirements ..... 36**

SPAN 102 Beginning Spanish II ..... 3

SPAN 203 Intermediate Spanish I ..... 3

SPAN 204 Intermediate Spanish II ..... 3

SPAN 300 Grammar and Composition\*\*\* ..... 3

SPAN Electives 300 level or higher ..... 24

#### **Additional Requirements\*\*\*\***

**1. Proficiency examinations (See below)**

**2. Immersion Experience (See below)**

**Electives ..... 47**

**Total Hours ..... 120\*\*\*\*\***

A total of 27 credit hours of upper division language courses (9 classes) of the same language prefix are required to graduate with a Bachelor of Arts in Modern Languages with a concentration in either French or Spanish.

SPAN 102, 203, 204 must be taken (OR a candidate must take a placement test and petition for retro-credit for lower division courses that were "skipped")

\*One Modern Language course satisfies 3 hours of General Education Core 42 Requirement area 5A (6 hours required). One Modern Language course satisfied 3 hours of General Education Core 42 Requirement area 5C.

\*\*Institutional requirement UE 0100 may also be met by HNRS 0101 (2 credit hours).

\*\*\*SPAN 300 Advanced French must be taken at MSSU.

\*\*\*\*Additional requirements for the Spanish major are:

3. Current senior proficiency examinations (5 exams, a candidate must pass 3 out of the 5)
4. Immersion Experience (Internship) – use of language concentration is paramount, and the immersion experience must be pre-approved by the department chair. There is a cap of 9 credit hours of internships. Study abroad or an immersion experience (internship) must be completed.

\*\*\*\*\*Must include 39 upper-division hours

## **Bachelor of Arts ..... Major Code MU01**

### **Music Major, Music Industry Concentration**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Music Core Requirements..... 28**

MUS 106 World Music\* ..... 3

MUS 107 Aural Skills I ..... 1

MUS 108 Aural Skills II ..... 1

MUS 111 Music Theory I ..... 3

MUS 112 Music Theory II ..... 3

MUS 240 Recital Attendance (4 semesters)..... 0

MUS 311 History of Music I ..... 3

MUS 312 History of Music II ..... 3

Various Large Ensemble (3 semesters)..... 3

Various Private study in one major area (4 semesters)..... 8

#### **Music Industry Concentration ..... 42**

MUS 103, 104, 203 and/or applied piano ..... 2

MUS 403 Intro to Live & Recorded Sound..... 3

MUS 410 Music Industry and Copyright ..... 2

MUS 412 Music Technology ..... 3

MUS 491 Internships in Music Industry ..... 3

#### **Business Courses.**

ACCT 201 Principles of Financial Accounting ..... 3

ENT 202 Business Opportunities and Innovation ..... 1

ENT 210 The Management Process for Entrepreneurs..... 1

GB 301 Legal Environment of Business I ..... 3

GB 320 Business Communication\* ..... 3

MGMT 237 Using Information Systems\* ..... 3

MGMT 350 Fundamentals of Organizational Management\* ..... 3

MRKT 300 Principles of Marketing\* ..... 3

MRKT 401 Integrated Marketing Communications..... 3

MRKT 405 eMarketing..... 3

Music or Business electives..... 3

#### **Electives ..... 4-6**

#### **Total ..... 120**

\*MUS 106 satisfies CORE 42 area 5B, 3 hours modern language satisfies 3 hours of CORE 42 5A, 3 additional hours of modern language satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Became a concentration not a stand-alone degree for fall 2018

## **Bachelor of Arts .....Major Code MU02 new**

### **Music Major, Instrumental Concentration**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Music Core Requirements..... 28**

MUS 106 World Music\* ..... 3

MUS 107 Aural Skills I ..... 1

MUS 108 Aural Skills II ..... 1

MUS 111 Music Theory I ..... 3

MUS 112 Music Theory II ..... 3

MUS 240 Recital Attendance (4 semesters)..... 0

MUS 311 History of Music I ..... 3

MUS 312 History of Music II ..... 3

Various Large Ensemble (3 semesters)..... 3

Various Private study in one major area (4 semesters)..... 8

#### **Instrumental Music Concentration..... 42**

MUS 103, 104, 203, and/or applied Class Piano ..... 4

MUS 181 Introduction to Conducting: Choral

OR

MUS 182 Instrumental Emphasis ..... 2

MUS 211 Music Theory III ..... 3

MUS 212 Music Theory IV ..... 3

MUS 240 Recital Attendance (4 semesters)..... 0

MUS 413 MS/Sec Instrumental Music Methods ..... 3

MUS 420 Form and Analysis ..... 3

MUS 433 Instrumental and Vocal Arranging..... 3

MUS 444 Advanced Instrumental Conducting..... 2

MUS 450 Senior Recital..... 0

Various Large Ensemble (additional last 5 semesters)..... 5

Various Private study in one major area (4 additional semesters) ... 8

Music Electives ..... 6

#### **Electives ..... 4-6**

#### **Total ..... 120**

\*MUS 106 satisfies CORE 42 area 5B, 3 hours modern language satisfies 3 hours of CORE 42 5A, 3 additional hours of modern language satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Bachelor of Arts .....Major Code MU03 new**

### **Music Major, Keyboard Concentration**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Music Core Requirements..... 28**

MUS 106 World Music\* ..... 3

MUS 107 Aural Skills I ..... 1

MUS 108 Aural Skills II ..... 1

MUS 111 Music Theory I ..... 3

MUS 112 Music Theory II ..... 3

MUS 240 Recital Attendance (4 semesters)..... 0

MUS 311 History of Music I ..... 3

MUS 312 History of Music II ..... 3

Various Large Ensemble (3 semesters)..... 3

Various Private study in one major area (4 semesters)..... 8

#### **Keyboard Music Concentration..... 42**

MUS 181 Introduction to Conducting: Choral

OR

MUS 182 Instrumental Emphasis ..... 2

MUS 211 Music Theory III ..... 3

MUS 212 Music Theory IV ..... 3

MUS 240 Recital Attendance (4 semesters)..... 0

MUS 408 Choral Music Methods ..... 3

MUS 420 Form and Analysis ..... 3

MUS 433 Instrumental and Vocal Arranging..... 3

MUS 443 Advanced Choral Conducting

OR

MUS 444 Advanced Instrumental Conducting..... 2

MUS 450 Senior Recital..... 0

Various Large Ensemble (additional last 5 semesters)..... 5

Various Private study in one major area (4 additional semesters) ... 8

Music Electives ..... 10

#### **Electives ..... 4-6**

#### **Total ..... 120**

\*MUS 106 satisfies CORE 42 area 5B, 3 hours modern language satisfies 3 hours of CORE 42 5A, 3 additional hours of modern language satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

## **Bachelor of Arts .....Major Code MU04 new**

### **Music Major, Vocal Concentration**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Music Core Requirements ..... 28**

MUS 106 World Music\* ..... 3

MUS 107 Aural Skills I ..... 1

MUS 108 Aural Skills II ..... 1

MUS 111 Music Theory I ..... 3

MUS 112 Music Theory II ..... 3

MUS 240 Recital Attendance (4 semesters) ..... 0

MUS 311 History of Music I ..... 3

MUS 312 History of Music II ..... 3

Various Large Ensemble (3 semesters) ..... 3

Various Private study in one major area (4 semesters)..... 8

#### **Keyboard Music Concentration ..... 42**

MUS 103, 104, 203, and/or applied Class Piano ..... 4

MUS 181 Introduction to Conducting: Choral

OR

MUS 182 Instrumental Emphasis ..... 2

MUS 211 Music Theory III ..... 3

MUS 212 Music Theory IV ..... 3

MUS 240 Recital Attendance (4 semesters) ..... 0

MUS 408 Choral Music Methods ..... 3

MUS 420 Form and Analysis ..... 3

MUS 433 Instrumental and Vocal Arranging ..... 3

MUS 443 Advanced Choral Conducting ..... 2

MUS 450 Senior Recital ..... 0

Various Large Ensemble (additional last 5 semesters) ..... 5

Various Private study in one major area (4 additional semesters) ..... 8

Music Electives ..... 6

#### **Electives ..... 4-6**

#### **Total ..... 120**

\*MUS 106 satisfies CORE 42 area 5B, 3 hours modern language satisfies 3 hours of CORE 42 5A, 3 additional hours of modern language satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

**Bachelor of Science..... Major Code - NU00**

**Applicant ..... - NU01**

## **Nursing**

**General Education CORE 42 Requirements 42\* ..... 29**

UE 100 First Year Experience\*\* ..... 1

**Nursing Major Requirements ..... 89-90**

**Other Nursing Requirements ..... 31-32**

(See Course Descriptions for prerequisites)

BIO 121 Anatomy and Physiology I\* ..... 4

CHEM 121/122 Chemistry for Allied Health Sciences & Lab\* (4)

OR

CHEM 140/141 ..... General Chemistry I & Lab\*.4

PSY 100 General Psychology\* ..... 3

ECON 101, ECON 201 or ECON 202 or SOC 110\* ..... 3

BIO 221 Anatomy and Physiology II ..... 5

BIO 231 General and Medical Microbiology..... 5

BIO 308 Pathophysiology ..... 4+

KINE 385 Nutrition for Human Development (3) **OR**

DH 310 Nutrition (2)..... 2-3

HS 210 Success in Health Professional Programs..... 1

**Nursing Requirements..... 58**

NURS 301 Transitions in Nursing (RNs only)+ (3)

NURS 305 Pharmacology in Nursing^#..... 3

NURS 310 Health Assessment and Technologies^+ ..... 5

NURS 320 Adult Nursing I ..... 7

NURS 340 Nursing Care of the Childbearing Family+ ..... 4

NURS 360 Mental Health Nursing+ ..... 4

NURS 370 Gerontologic Nursing^# ..... 3

NURS 380 Nursing Care of the Child and Family+ ..... 4

NURS 400 Complex Nursing+ ..... 6

NURS 420 Nursing Ethics ..... 3

NURS 430 Advanced Health Assessment ..... 3

PSY 320 Applied Statistics (3) **OR**

MATH 310 Elementary Statistics (3) **OR**

GB 321 Business Statistics (3) **OR**

SOC 405 Social Science Statistics..... 3... course # change for 2019, will be SOC 350

NURS 450 Community Health Nursing..... 5

NURS 460 Nursing Research ..... 3

NURS 470 Nursing Management and Leadership..... 5

Electives as needed to total 120 credit hours..... 0-1

**Total Hours.....120**

\*BIO 121 and CHEM 121 or 140 satisfies CORE 42 area 3A&B (7 hrs), PSY 100 and SOC 110 or ECON 101,201 or 202 satisfies CORE 42 area 1A (6 hrs).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

+RNs only. Complete NURS 301 Transitions in Nursing with a grade of "C" and receive credit for NURS 310, 320, 340, 360, 380 and 400.

^Credit by department examination for Licensed Practical Nurses (fee assessed).

#Credit by department examination for Registered Nurses (fee assessed).

MATH 130 recommended



## **Bachelor of Science .....Major Code PH00**

### **PHYSICS**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

#### **Physics Requirements..... 39**

PHYS 270 General Physics I\*\*\* ..... 4

PHYS 290 General Physics II ..... 4

PHYS 291 General Physics II Lab ..... 1

PHYS 301 Modern Physics\*\*\* ..... 4

PHYS 322 Classical Mechanics\*\*\* ..... 3

PHYS 341 Thermal Physics\*\*\* ..... 4

PHYS 360 Mathematical Methods for Physics ..... 4

PHYS 381 Intermediate Physics Laboratory\*\*\* ..... 3

PHYS 401 Electricity & Magnetism\*\*\* ..... 4

PHYS 452 Quantum Mechanics\*\*\* ..... 3

PHYS 490 Seminar ..... 1

Physics Elective (Upper Division) ..... 4

#### **Supporting Requirements ..... 23**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

MATH 150 Calculus with Analytical Geometry I\*\*\* ..... 5

MATH 250 Calculus with Analytical Geometry II\*\*\* ..... 4

MATH 260 Calculus with Analytical Geometry III\*\*\* ..... 4

MATH 322 Differential Equations\*\*\* ..... 3

CIS 110 Programming I ..... 3

#### **Electives\*\*\*\* ..... 25**

**Total ..... 120^**

\*\*CHEM 140 and PHYS 270 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Suggested Electives (CHEM 142 452, CIS 210, MATH 351)

^Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Science .....Major Code PH01**

### **PHYSICS (Engineering)**

#### **General Education CORE 42 Requirements 42\* ..... 32**

UE 100 First Year Experience\*\* ..... 1

#### **Physics Requirements..... 35**

PHYS 270 General Physics I\*\*\* ..... 4

PHYS 290 General Physics II ..... 4

PHYS 291 General Physics II Lab ..... 1

PHYS 301 Modern Physics\*\*\* ..... 4

PHYS 322 Classical Mechanics\*\*\* ..... 3

PHYS 341 Thermal Physics\*\*\* ..... 4

PHYS 372 Electronic for Experimental Physicists\*\*\* ..... 4

PHYS 381 Intermediate Physics Laboratory\*\*\* ..... 3

PHYS 401 Electricity & Magnetism\*\*\* ..... 4

PHYS 452 Quantum Mechanics\*\*\* (3)

OR

PHYS 480 Selected Topics in Physics & Engineering ..... 3

PHYS 490 Seminar ..... 1

#### **Supporting Requirements ..... 23**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

MATH 150 Calculus with Analytical Geometry I\*\*\* ..... 5

MATH 250 Calculus with Analytical Geometry II\*\*\* ..... 5

MATH 260 Calculus with Analytical Geometry III\*\*\* ..... 3

MATH 322 Differential Equations\*\*\* ..... 3

CIS 110 Programming I ..... 3

#### **Electives\*\*\*\* ..... 29**

**Total ..... 120^**

\*\*CHEM 140 and PHYS 270 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Suggested Electives (CHEM 142 , CIS 210, MATH 322 and MATH 351)

^Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Arts .....Major Code PS01**

### **Political Science Major**

<b>General Education CORE 42 Requirements 42*</b> .....		<b>33... was 38-39</b>
UE 100	First Year Experience** .....	1... moved
<b>Modern Language Courses in same prefix*</b> .....		<b>10-12</b>
<b>Political Science Requirements</b> .....		<b>15</b>
PSC 120	American Government* .....	3
PSC 201	Introduction to Political Science .....	3
PSC 202	Argument in Political Science.....	3
PSC 340	Social Science Research Methods.....	3 was PSC 401
PSC 494	Seminar in Political Science .....	3
<b>Select 3 hours from each of the following areas:.....</b>		<b>15</b>
<b>American Politics</b> .....		<b>3</b>
PSC 301	Political Parties and Elections	
PSC 302	Public Opinion	
PSC 311	American Presidency	
PSC 312	Legislative Process	
<b>Public Service &amp; Public Administration</b> .....		<b>3</b>
PSC 320	State and Local Government	
PSC 342	Public Policy	
PSC 421	Public Administration	
<b>International Relations</b> .....		<b>3</b>
PSC 321	International Relations	
PSC 352	Introduction to Comparative Politics	
PSC 434	American Foreign Policy	
<b>Law</b> .....		<b>3</b>
PSC 310	Law, Society and the Judicial Process	
PSC 402	Advocacy & Legal Reasoning	
PSC 431	Constitutional Law I	
PSC 432	Constitutional Law II	
<b>Theory</b> .....		<b>3</b>
PSC 411	Great Political Thinkers	
PSC 412	Contemporary Political Thought	
PSC 435	Philosophy of Law	
<b>Additional Political Science courses***</b>		
<b>(at least 4 additional 300-400 level)</b> .....		<b>12</b>
<b>General Electives (minor recommended)</b> .....		<b>32-34 was 27-30</b>
<b>Total</b> .....		<b>120****</b>

\*Three hours of Modern Language satisfies 3 hours of CORE 42 area 5A, an additions 3 hours of Modern Language satisfies CORE 42 area 5C, PSC 120 satisfies CORE 42 area 1B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\* Chosen in consultation with advisor.

\*\*\*\*Must include at least 39 Upper Division (300-400 level) hours

Updated 4/4/18 to reflect CORE 42 and course # change

## **Bachelor of Science.....Major Code PS00**

### **Political Science Major**

#### **General Education CORE 42 Requirements 42\* ..... 39**

UE 100 First Year Experience\*\* ..... 1

#### **Political Science Requirements ..... 21**

PSC 120 American Government\* ..... 3

PSC 201 Introduction to Political Science ..... 3

PSC 202 Argument in Political Science..... 3

PSC 340 Social Science Research Methods..... 3 was PSC 401

PSC 350 Social Science Statistics ..... 3 was PSC 405

PSC 491 or 493 Internship..... 3

PSC 494 Seminar in Political Science ..... 3

#### **Select 3 hours from each of the following areas:..... 15**

##### **American Politics ..... 3**

PSC 301 Political Parties and Elections

PSC 302 Public Opinion

PSC 311 American Presidency

PSC 312 Legislative Process

##### **Public Service & Public Administration ..... 3**

PSC 320 State and Local Government

PSC 342 Public Policy

PSC 421 Public Administration

##### **International Relations ..... 3**

PSC 321 International Relations

PSC 352 Introduction to Comparative Politics

PSC 434 American Foreign Policy

##### **Law ..... 3**

PSC 310 Law, Society and the Judicial Process

PSC 402 Advocacy & Legal Reasoning

PSC 431 Constitutional Law I

PSC 432 Constitutional Law II

##### **Theory ..... 3**

PSC 411 Great Political Thinkers

PSC 412 Contemporary Political Thought

PSC 435 Philosophy of Law

#### **Select at least four additional 300-400 level**

#### **Political Science courses\*\*\* ..... 12**

#### **General Electives (minor recommended) ..... 32**

#### **Total ..... 120\*\*\*\***

\*PSC 120 satisfies major requirements and 3 hours of CORE 42 area 1B.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\* Chosen in consultation with advisor.

\*\*\*\*Must include at least 39 Upper Division (300-400 level) hours

## **Bachelor of Arts ..... Major Code PY01**

### **Psychology Major**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Psychology Requirements ..... 49**

PSY 100 General Psychology \* ..... 3

PSY 200 Child Development ..... 3

OR

PSY 201 Adolescent Development (3)

OR

PSY 205 Child and Adolescent Development

OR

PSY 475 Adult Development and Aging

PSY 320 Applied Statistics ..... 3

PSY 325 Research Methods in Psychology..... 3

PSY 330 Experimental Psychology ..... 5

PSY 386 Conditioning and Learning..... 3

PSY 341 Social Psychology

OR

PSY 422 Theories of Personality ..... 3

PSY 390 Junior Seminar..... 2

PSY 411 Sensation and Perception

OR

PSY 415 Animal Behavior

OR

PSY 442 Physiological Psychology ..... 3

PSY 432 Abnormal Psychology ..... 3

PSY 443 Cognitive Psychology ..... 3

PSY 481 Senior Thesis ..... 3

Psychology Electives\*\*\* ..... 12

**Electives ..... 25-27**

**Total ..... 120**

\* PSY 100 satisfies major requirements and 3 hours of CORE area 1A, 6 hours of modern language can satisfy CORE 42 area 5A and 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*The Psychology elective requirement will be met by completing 12 hours of additional Psychology courses, of which 6 hours must be in upper-division courses, 300-level or above. No more than 3 hours of PSY 499 and no more than 3 hours of PSY 491 may be used to fulfill the Psychology elective requirement.

18-19 more choices added to PSY 201 OR PSY 475 – electives from 9 to 12 (PSY 491 now a choice for electives)

AP 9/25/17

**Bachelor of Science.....Major Code PY00**

**Psychology Major**

<b>General Education CORE 42 Requirements 42* .....</b>		<b>39</b>
UE 100	First Year Experience** .....	1
<b>Psychology Requirements .....</b>		<b>49</b>
PSY 100	General Psychology * .....	3
PSY 200	Child Development .....	3
OR		
PSY 201	Adolescent Development (3)	
OR		
PSY 205	Child and Adolescent Development	
OR		
PSY 475	Adult Development and Aging	
PSY 320	Applied Statistics .....	3
PSY 325	Research Methods in Psychology.....	3
PSY 330	Experimental Psychology .....	5
PSY 386	Conditioning and Learning.....	3
PSY 341	Social Psychology	
OR		
PSY 422	Theories of Personality .....	3
PSY 390	Junior Seminar.....	2
PSY 411	Sensation and Perception	
OR		
PSY 415	Animal Behavior	
OR		
PSY 442	Physiological Psychology .....	3
PSY 432	Abnormal Psychology .....	3
PSY 443	Cognitive Psychology .....	3
PSY 481	Senior Thesis.....	3
<b>Psychology Electives*** .....</b>		<b>12</b>
<b>Science**** .....</b>		<b>9</b>
<b>Electives .....</b>		<b>22</b>
<b>Total .....</b>		<b>120</b>

\*PSY 100 satisfies major requirements and 3 hours of CORE 42 area 1A.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\* The Psychology elective requirement will be met by completing 12 hours of additional Psychology courses, of which 6 hours must be in upper-division courses, 300-level or above. No more than 3 hours of PSY 499 and no more than 3 hours of PSY 491 may be used to fulfill the Psychology elective requirement.

\*\*\*\*Additional hours of science, computer science or math that do not fulfill any other requirements. These include courses from: BIO, CHEM, MATH, GEOL, EH, PHYS and CIS as well as these specific courses: ACCT 201, HS 111, IET 110, INTS 306, KINE 385, PHIL 140, PHIL 312 and PHIL 420.

## Associate of Science in Radiologic Technology Major Code.....RA01

### General Education Core Curriculum Requirements 23\*17

UE 100	First Year Experience**	1
BIO 121	Human Anatomy and Physiology I*	4
PSY 100	General Psychology*	3

### Radiology Requirements ..... 57

RAD 100	Basic Concepts in Radiology	3
RAD 101	Introduction to Radiology	3
RAD 110	Clinical Training I	2
RAD 111	Medical Terminology	3
RAD 132	Principles of Radiographic Exposure	4
RAD 142	Radiographic Positioning I	4
RAD 170	Radiologic Physics	3
RAD 210	Clinical Training II	2
RAD 241	Radiographic Positioning II	3
RAD 300	Clinical Training III	2
RAD 301	Image Critique and Quality Management in Radiology	2
RAD 320	Radiographic Positioning III	3
RAD 340	Clinical Training IV	3
RAD 350	Patient Care and Radiation Protection in Radiology	3
RAD 360	Clinical Training V	3
RAD 370	Special Topics in Radiology	3
RAD 399	Advanced Radiology	3
BIO 221	Human Anatomy and Physiology II	5
BIO 240	Radiation Biology	3

### Total Hours ..... 82

\*BIO 121 satisfies area 3 (3 hours) and \*PSY 100 satisfies 3 hours of area 1A of general education requirements for an AS degree.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)



**Associate of Science.....Major CodeRE00**

**Respiratory Therapy**

**General Education Core Curriculum Requirements 23\*20**

UE 100 First Year Experience\*\* ..... 1

**Respiratory Therapy Major Requirements ..... 61**

BIO 121 Human Anatomy and Physiology I\* ..... 4

RESP 101 Respiratory Therapy Foundations..... 3

RESP 102 Cardiopulmonary Sciences ..... 3

RESP 105 Cardiopulmonary Anatomy & Physiology..... 3

RESP 107 Respiratory Therapy Procedures ..... 3

RESP 108 Respiratory Procedures Lab ..... 3

RESP 120 Cardiopulmonary Pathology ..... 3

RESP 125 Respiratory Therapy Clinical I..... 3

RESP 129 Cardiopulmonary Pharmacology..... 3

RESP 222 Introduction to Mechanical Ventilation ..... 4

RESP 226 Cardiopulmonary Diagnostic..... 3

RESP 239 Respiratory Therapy Clinical II..... 5

RESP 307 Cardiopulmonary Assessment..... 6

RESP 311 Neonatal/Pediatric Care..... 3

RESP 312 Advanced Mechanical Ventilation ..... 3

RESP 313 Alternate Site Respiratory Therapy..... 3

RESP 340 Advanced Level Clinical Practice..... 5

RESP 341 Research Issues, Methods ..... 1

**Total Hours ..... 82**

\*Prerequisite BIO 121, meets AS degree general education requirements in Area 3 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

Students must pass the National Board for Respiratory Therapy Self-Assessment Exam (SAE) for both CRT and RRT prior to graduation from Missouri Southern State University.

## **Bachelor of Social Work (BSW)**

### **Social Work: Applicant SW00.....Major Code SW01**

<b>General Education CORE 42 Requirements 42*</b>		<b>36</b>
UE 100	First Year Experience**	1
<b>Social Work Curriculum</b>		<b>54</b>
PSY 0100	General Psychology*	3
SOC 0110	Introduction to Sociology*	3
<b>SW 0231</b>	<b>Social Work: A Helping Profession</b>	<b>3</b>
SW 0300	Social Welfare Policy and Services	3
SW 0310	Human Behavior and Social Environment	3
SW 0320	Human Behavior in the Social Environment II	3
SW 0370	Social Diversity	3
SW 0410	Practice Skills for Helping Individuals	3
SW 0420	Practice Skills for Helping Families and Groups	3
SW 0430	Practice Skills for Helping Organizations & Communities	3
SW 0470	Social Research and Evaluation	3
SW 0475	Social Justice Practice	3
SW 0480	Field Experience I	4
SW 0481	Field Experience I Seminar	2
SW 0485	Field Experience II	4
SW 0486	Field Experience II Seminar	2
Select two from the following:		6
SOC 0406	Sociology of Child Abuse*** (3)	
SW 0298	Special Topics in Social Work (1-3)	
SW 0498	Advanced Topics in Social Work (1-3)	
SW 0499	Independent Study in Social Work (1-3)	
<b>Electives</b>		<b>29</b>
<b>Total</b>		<b>120</b>

\* PSY 100 and SOC 110 satisfy CORE 42 area 1A (6 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

Electives as needed to satisfy 39 upper division hours and to meet 120 total hours.

## **Bachelor of Arts .....Major Code S000**

### **Sociology Major**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100 First Year Experience\*\* ..... 1

#### **Modern Language Courses in same prefix\* ..... 10-12**

#### **Sociology Requirements ..... 36**

SOC 110 Introduction to Sociology\* ..... 3

SOC 210 Social Problems\*\*\* ..... 3

SOC 311 Social Stratification\*\* ..... 3

SOC 350 Social Science Statistics\*\*\* ..... 3 was SOC 405

SOC 340 Social Science Research Methods\*\*\* ..... 3 was SOC 401

SOC 482 Sociological Theory\*\*\* ..... 3

SOC Additional Sociology courses  
(12 hrs. must be Upper Division) ..... 18

#### **Supporting Requirements ..... 6**

ANTH Any course above ANTH 101 ..... 3

GEOG 301 GIS for Social and Political Analysis  
OR

GEOG 302 Environment and Society  
OR

GEOG 310 Human Geography ..... 3

#### **General Electives (minor recommended) ..... 32-34**

**Total ..... 120\*\*\*\***

\*SOC 110 satisfies major requirements and 3 hours of CORE 42 area 1A, 3 hours of Modern Language satisfies 3 hours of CORE 42 area 5A, an additional 3 hours of Modern Language satisfies CORE 42 area 5C.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Must include at least 39 Upper Division (300-400 level) hours.

## **Bachelor of Science.....Major Code S001**

### **Sociology Major**

#### **General Education CORE 42 Requirements 42\* ..... 39**

UE 100 First Year Experience\*\* ..... 1

#### **Sociology Requirements ..... 42**

SOC 110 Introduction to Sociology\* ..... 3

SOC 311 Social Stratification\*\* ..... 3

SOC 361 Social Demography\*\* ..... 3

SOC 362 Deviant Behavior\*\* ..... 3

SOC 340 Social Science Research Methods\*\*\* ..... 3 was SOC 401

SOC 350 Social Science Statistics\*\*\* ..... 3 was SOC 405

SOC 482 Sociological Theory\*\* ..... 3

SOC Additional Sociology Courses  
(15 hours must be upper division)..... 21

#### **Supporting Requirements ..... 6**

ANTH Any course above ANTH 101 ..... 3

GEOG 301 GIS for Social and Political Analysis  
OR

GEOG 302 Environment and Society  
OR

GEOG 310 Human Geography ..... 3

#### **General Electives (minor recommended\*\*\*) ..... 32**

**Total ..... 120\*\*\*\***

\*SOC 110 satisfies major requirements and 3 hours of CORE 42 area 1A \*\*See Prerequisites

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*Chosen in consultation with a sociology advisor.

\*\*\*\*Must include at least 39 upper division (300-400 level) hours.

## Bachelor of Science in Education

### Art (K-12) ..... Major Code ES08

#### General Education/Core 42 Requirements 42\* ..... 27

UE 100	First Year Experience**	1
ENG 250	Introduction to Literature* recommended	3
MATH 125	Contemporary Math* recommended	3
PSY 100	General Psychology*	3
ART 101	Two Dimensional Design	3
ART 103	Three Dimensional Design	3
ART 130	Basic Drawing*	3
ART 140	Basic Digital Photography/Computer Skills	3
ART 200	Beginning Fibers	3
ART 207	Beginning Ceramics	3
ART 211	Beginning Sculpture	3
ART 212	Introduction to Printmaking	3
ART 232	Beginning Painting	3
ART 251	Art History-Prehistoric to Gothic	3
ART 252	Art History-Renaissance thru 19 <sup>th</sup> Century	3
ART 270	Intermediate Drawing	3
ART 295	Foundation Review	0
ART 305	Art Theory	3
ART 372	Color Theory	3
ART 380	K-8 Methods	2
ART 381	9-16 Methods	2
ART 490	Professional Studio Practices	2
ART 495	Capstone Art Experience	0
ART	History Elective	3
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 432	Critical Issues	2
EDUC 464	Student Teaching	10

**Total** ..... **123**

\*Gen. Ed./Core 42 ENG 250 satisfies 3 hours of area 5A, MATH 125 satisfies area 4, PSY 100 satisfies 3 hours of area 1A, ART 130 satisfies area 5B, EDUC 280 satisfies area 5C

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher; cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check

See Teacher Education department for additional requirements

## Bachelor of Science in Education

### Biology (9-12) ..... Major Code ES09

#### General Education Core 42 Requirements 42\* ..... 23

UE 100	First Year Experience**	1
CHEM 140	General Chemistry I	3
CHEM 141	General Chemistry I lab	1
CHEM 142	General Chemistry II	5
ENG 250	Introduction to Literature* recommended	3
GEOL 120	Introduction to Geology	4
MATH 140	Algebra and Trigonometry*	5
PHIL 420	Philosophy of Science	3
PHYS 160	Elementary College Physics I	4
PSY 100	General Psychology*	3
BIO 108/109	Principles of Biology I/Lab	4
BIO 111	Principles of Biology II	4
BIO 180	Essential Anatomy & Physiology I*	4
BIO 210	Molecular Cell Biology	4
BIO 231	General and Medical Microbiology	5
BIO 305	Genetics	4
BIO 402	General Ecology	4
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 333	Teaching Science in Middle & Secondary School	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I: Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 462	Student Teaching	10

**Total** ..... **125**

*\*Meets general education Core requirements: Area 1A 3 hours satisfied by PSY 100, Area 3A 3 hours satisfied by CHEM 140, Area 3B 4 hours satisfied by BIO 180, Area 4 3 hours satisfied by MATH 140, Area 5A 3 hours satisfied by ENG 250, Area 5C 3 hours satisfied by EDUC 280.*

*\*\*Institutional degree requirement H may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

## Bachelor of Science in Education

### Secondary Business (9-12) Major Code ES10

#### General Education Core Requirements 42\* ..... 27

UE 100	First Year Experience .....	1
ENG 250	Introduction to Literature* recommended.....	3
MATH 125	Contemporary Mathematics* recommended.....	3
PSY 100	General Psychology* .....	3
ACCT 201	Principles of Financial Accounting .....	3
ACCT 202	Principles of Managerial Accounting .....	3
ECON 201*	Principles of Economics (Macro)* .....	3
ECON 202	Principles of Economics (Micro)* .....	3
GB 301	Legal Environment of Business I .....	3
GB 320	Business Communication .....	3
GB 412	Implementing Business Education Programs .....	3
GB 422	Coordination of Cooperative Education .....	3
IB 310	International Business* .....	3
MGMT 237	Using Information Systems .....	3
MGMT 337	Management Information Systems .....	3
MGMT 350	Fundamentals of Organizational Management .....	3
MRKT 300	Principles of Marketing .....	3
MRKT 405	eMarketing.....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society.....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices#..	4
EDUC 336	Teaching Business in Middle & Secondary School .....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II: Sec/Mid School .....	3
EDUC 432	Critical Issues .....	2
EDUC 462	Student Teaching.....	10

**Total** ..... **120**

*\*Meets general education requirements: Area 1A 6 hours met by PSY 100 and ECON 201 or 202, Area 4 3 hours met by MATH 125, Area 5A 3 hours met by ENG 250, Area 5C 3 hours met by EDUC 280 or IB 310.*

*\*\*Institutional degree requirement H may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*



## Bachelor of Science in Education

### Chemistry Secondary (9-12) Major Code ES04

#### General Education/Core 42 Requirements 42\* ..... 23

UE 100	First Year Experience** .....	1
BIO 102	General Biology* recommended .....	3
CHEM 140	General Chemistry I* .....	3
CHEM 141	General Chemistry I Lab* .....	1
ENG 250	Introduction to Literature* recommended.....	3
GEOL 120	Introduction to Geology* recommended.....	4
MATH 150	Calculus and Analytical Geometry I*.....	5
PSY 100	General Psychology* .....	3
CHEM 142	General Chemistry II.....	5
CHEM 201	Analytical Chemistry .....	5
CHEM 301	Organic Chemistry I.....	5
CHEM 302	Organic Chemistry II.....	5
CHEM 350	Biochemistry I.....	3
CHEM 400	Elementary Physical Chemistry .....	4
CHEM 431	Chemistry Lab Asst. Practicum.....	1
GEOL 300	Environmental Geology recommended.....	3
MATH 250	Calculus with Analytical Geometry II.....	4
PHIL 420	Philosophy of Science .....	3
PHYS 270	General Physics I* .....	4
PHYS 290	General Physics II.....	4
PHYS 291	General Physics II Lab.....	1
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society* .....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices#..	4
EDUC 333	Teaching Science in Secondary Schools.....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language.....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL.....	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II:Sec/Mdle School .....	3
EDUC 432	Critical Issues .....	2
EDUC 462	Student Teaching.....	10

**Total** ..... **134**

*\*Gen. Ed./Core 42 ENG 250 satisfies 3 hours of area 5A, MATH 150 satisfies area 4, PSY 100 satisfies 3 hours of area 1A, BIO 102 or CHEM 140 satisfy area 3A (3 hrs), PHYS 270 or GEOL 120 satisfies area 3B (4 hrs), EDUC 280 satisfies area 5C*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423*

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher; cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check

*See Teacher Education department for additional requirements*

## Bachelor of Science in Education

### Elem Ed (1-6) ELL (K-12)..... Major Code EE04

General Education Core 42 Requirements 42*	12
UE 100 First Year Experience**	1
BIO 102 General Biology*	3
ECON 101 Economics of Social Issues*	3
ENG 250 Introduction to Literature*	3
HIST 110 or HIST 120	3
MATH 119 Math for Elementary Teachers I	3
MATH 120 Math for Elementary Teachers I*	3
PHYS 121 Fundamentals of Physical Science w/lab*	4
PSY 100 General Psychology*	3
PSC 120 American Government*	3
ART 220 Art for the Elementary Teacher	2
ENG 325 Children's Literature	3
GEOG 111 World Regional Geography	3
GEOL 211 Fundamentals of Earth & Space Science	4
KINE 311 Physical Education for the Elementary School**	2
KINE 370 School Health Education**	2
MUS 332 Music for the Elementary School	1
PSY 310 Educational Psychology	3
EDUC 100 Introduction to Teacher Education I	1
EDUC 280 Education in a Global Society	3
EDUC 302 Exceptional Child	2
EDUC 305 Family Systems for Special Educators	1
EDUC 311 Science in the Elementary School	3
EDUC 312 Teaching Math in Elementary School	3
EDUC 321 Microteaching#	1
EDUC 322 Teaching Social Studies in Elem & Middle School	3
EDUC 329 Pedagogical Theory, Methods & Practices#	4
EDUC 340 Language Arts	2
EDUC 342 Developmental Reading: Elementary	3
EDUC 343 Content Area Literacy: Elementary	1
EDUC 380 Theories of Teaching English as a 2 <sup>nd</sup> Language	3
EDUC 381 Language & Culture (Sociolinguistics)	3
EDUC 385 Assessment in ELL	3
EDUC 387 Grammar for Pedagogical Purposes	3
EDUC 423 Classroom Management#	3
EDUC 432 Critical Issues	2
EDUC 442 Student Teaching	10
EDUC 470 Assessment in Reading	3
EDUC 480 Instructional Techniques for Teaching ELL	3
EDUC 481 Curriculum Development in ELL	3
EDUC 482 Practicum for ELL	3

**Total** ..... **127**

\*BIO 102 satisfies Core 42 area 3A, ECON 102 and PSY 100 satisfy Core 42 area 1A, ENG 250 meets 3 hours of Core 42 area 5A, MATH 120 satisfies Core 42 area 4, PHYS 121 satisfies Core 42 area 3B, PSC 120 (or HIST 110 or 120) satisfies Core 42 area 1B, EDUC 280 satisfies Core 42 area 5C, ART 220/MUS 332 satisfies Core 42 area 5B, KINE 311 and KINE 370 satisfy Core 42 area 5D (2 hours)

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#Junior Block Courses

BIO 102 is recommended for area 3A, PHYS 121 is recommended for area 3B, ENG 250 is recommended for 3 hours of area 5A,

## **Bachelor of Science in Education**

### **Elem Ed (1-6) Special Ed (K-12) Major Code EE03**

#### **General Education/Core 42 Requirements 42\* ..... 12**

UE 100	First Year Experience**	1
ART 220	Art for the Elementary Teacher.....	2
BIO 102	General Biology* recommended .....	3
ECON 101	Economics of Social Issues* .....	3
ENG 250	Introduction to Literature* recommended.....	3
ENG 325	Children's Literature.....	3
GEOG 111	World Regional Geography .....	3
GEOL 211	Fundamentals of Earth & Space Science.....	4
HIST 110 or HIST 120	US History .....	3
KINE 311	Physical Education for the Elementary School** .....	2
KINE 370	School Health Education** .....	2
MATH 119	Math for Elementary Teachers I .....	3
MATH 120	Math for Elementary Teachers I* .....	3
MUS 332	Music for the Elementary School .....	1
PHYS 121	Fund Physical Science w/lab* recommended ....	4
PSC 120	American Government* .....	3
PSY 100	General Psychology* .....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society.....	3
EDUC 302	Exceptional Child.....	2
EDUC 305	Family Systems for Special Educators .....	1
EDUC 311	Science in the Elementary School .....	3
EDUC 312	Teaching Math in Elementary School .....	3
EDUC 321	Microteaching# .....	1
EDUC 322	Teaching Social Studies in Elem & Middle School.....	3
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 340	Language Arts .....	2
EDUC 342	Developmental Reading: Elementary .....	3
EDUC 343	Content Area Literacy: Elementary .....	1
EDUC 348	Transition Services .....	3
EDUC 380	Second Language Acquisition .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 405	Methods of Teaching Students w/Emotional & Beh. ....	3
EDUC 410	Teaching Mild/Moderate Cross-Categorical Clsm K12 .	3
EDUC 415	Integrated Elementary Methods Practicum....	3
EDUC 423	Classroom Management#.....	3
EDUC 430	Language Development of Exceptional Child	3
EDUC 432	Critical Issues .....	2
EDUC 444	Student Teaching.....	10
EDUC 470	Assessment in Reading .....	3
EDUC 474	Educ Psych Testing Special Education .....	3

**Total** ..... **127**

*\*Gen. Ed./Core 42 PSY 100/ECON 101/GEOG 111 satisfies area 1A 6 hrs), HIST 110 or 120 or PSC 120 satisfies area 1B (3 hrs), BIO 102 and PHYS 121 satisfy areas 3A&B (7 hrs), MATH 120 satisfies area 4, ENG 250 satisfies 3*

*hours of area 5A, ART 220 and MUS 332 satisfy area 5B, EDUC 280 satisfies area 5C and KINE 311 and 370 satisfy area 5D.*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

- All EDUC prefixed courses require a "C" or better*
- Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check*

*See Teacher Education department for additional requirements*

## Bachelor of Science in Education

### Elementary Education (1-6) Major Code EE14

General Education Core 42 Requirements 42 .....	12
UE 100 First Year Experience** .....	1
ART 220 Art for the Elementary Teacher.....	2
BIO 102 General Biology* recommended .....	3
ECON 101 Economics of Social Issues* .....	3
ENG 250 Introduction to Literature* recommended.....	3
ENG 325 Children's Literature.....	3
GEOG 111 World Regional Geography .....	3
GEOL 211 Fundamentals of Earth & Space Science .....	4
HIST 110 or HIST 120.....	3
KINE 311 Physical Education for the Elementary School** .....	2
KINE 370 School Health Education** .....	2
MATH 119 Math for Elementary Teachers I .....	3
MATH 120 Math for Elementary Teachers I* .....	3
MUS 332 Music for the Elementary School .....	1
PHYS 121 Fundamentals of Physical Science w/lab* .....	4
PSC 120 American Government* .....	3
PSY 100 General Psychology* .....	3
PSY 310 Educational Psychology.....	3
EDUC 100 Introduction to Teacher Education I .....	1
EDUC 280 Education in a Global Society.....	3
EDUC 302 Exceptional Child.....	2
EDUC 311 Science in the Elementary School .....	3
EDUC 312 Teaching Math in Elementary School .....	3
EDUC 321 Microteaching# .....	1
EDUC 322 Teaching Social Studies in Elem & Middle School.....	3
EDUC 329 Pedagogical Theory, Methods & Practices#..	4
EDUC 340 Language Arts .....	2
EDUC 342 Developmental Reading: Elementary .....	3
EDUC 343 Content Area Literacy: Elementary .....	1
EDUC 380 Second Language Acquisition .....	3
OR	
EDUC 480 Instructional Techniques for Teaching ELL	
EDUC 415 Integrated Elementary Methods Practicum....	3
EDUC 423 Classroom Management#.....	3
EDUC 432 Critical Issues .....	2
EDUC 442 Student Teaching.....	10
EDUC 470 Assessment in Reading .....	3
EDUC electives.....	9
<b>Total .....</b>	<b>120</b>

*BIO 102 satisfies Core 42 area 3A, ECON 102 and PSY 100 satisfy Core 42 area 1A, ENG 250 meets 3 hours of Core 42 area 5A, MATH 120 satisfies Core 42 area 4, PHYS 121 satisfies Core 42 area 3B, PSC 120 (or HIST 110 or 120) satisfies Core 42 area 1B, EDUC 280 satisfies Core 42 area 5C, ART 220/MUS 332 satisfies Core 42 area 5B, KINE 311 and KINE 370 satisfy Core 42 area 5D (2 hours)*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

*BIO 102 is recommended for area 3A, PHYS 121 is recommended for area 3B, ENG 250 is recommended for 3 hours of area 5A,*

## Bachelor of Science in Education

### English (5-9) .....Major Code EM22

#### General Education CORE 42 Requirements 42\* ..... 27

UE 100 First Year Experience\*\* ..... 1

MATH 125 Contemporary Mathematics\* recommended..... 3

PSY 100 General Psychology\* ..... 3

ENG 202 Writing & Research in English ..... 3

ENG 261 World Literature I\* ..... 3

OR

ENG 262 World Literature II\*

ENG 271 British Literature I\* ..... 3

OR

ENG 272 British Literature II\*

ENG 281 American Literature I\* ..... 3

OR

ENG 282 American Literature II\*

ENG 301 Introduction to English Linguistics ..... 3

ENG 319 Teaching Writing in Mid/Sec School ..... 3

ENG 330 Young Adult Literature ..... 3

PSY 310

EDUC 100 Introduction to Teacher Education I ..... 1

EDUC 280 Education in a Global Society..... 3

EDUC 302 Exceptional Child..... 2

EDUC 321 Microteaching# ..... 1

EDUC 329 Pedagogical Theory, Methods & Practices#.. 4

EDUC 332 Teach English & Lang Arts in Middle & Sec School..... 3

EDUC 380 Theories of Teaching English as a 2<sup>nd</sup> Language ..... 3

OR

EDUC 480 Instructional Techniques for Teaching ELL

EDUC 412 Mid School Philosophy Organization & Curriculum.....2

EDUC 413 Methods Teaching Students in Middle Grades .....2

EDUC 422 Content Area Literacy I:Sec/Mid School ..... 3

EDUC 423 Classroom Management#..... 3

EDUC 424 Content Area Literacy II: Sec/Mid School ..... 3

EDUC 432 Critical Issues ..... 2

EDUC 452 Student Teaching..... 10

EDUC or approved content area electives ..... 20

**Total** ..... **120**

*\*Meets general education core 42 requirements: Area 1A 3 hours PSY 100, area 4 3 hours MATH 125, Area 5A 6 hours ENG 261, 262, 271, 272, 281, or 282, Area 5C 3 hours EDUC 280*

*#Junior Block Courses*

## Bachelor of Science in Education

### Secondary English (9-12) Major Code ES12

#### General Education CORE 42 Requirements 42\* ..... 27

UE 100	First Year Experience**	1
MATH 125	Contemporary Mathematics* recommended	3
PSY 100	General Psychology*	3
ENG 202	Writing & Research in English	3
ENG 216 or ENG 310 or ENG 313 or ENG 315		3
ENG 261	World Literature I*	3
OR		
ENG 262	World Literature II*	
ENG 271	British Literature I*	3
ENG 272	British Literature II*	3
ENG 281	American Literature I*	3
ENG 282	American Literature II*	3
ENG 301	Introduction to English Linguistics	3
ENG 319	Teaching Writing in Mid/Sec School	3
ENG 330	Young Adult Literature	3
ENG 400	History of the English Language	3
ENG	Electives	9
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 332	Teaching English & LA in Secondary School	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I: Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 462	Student Teaching Secondary	10
EDUC	Elective	3

**Total** ..... **120**

*\*PSY 100 meets 3 hours of Core 42 area 1A MATH 125 (3 hrs) satisfies area 4, ENG 261 or 262 or 271 or 272 or 281 or 282 6 hours total satisfied area 5A, EDUC 280 satisfies area 5C*

*\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*



## Bachelor of Science in Education

### French (K-12) ..... Major Code ES13

#### General Education/Core 42 Requirements 42\* ..... 27

UE 100	First Year Experience**	1
MATH 125	Contemporary Math* recommended	3
PSY 100	General Psychology*	3
FREN 101	Beginning French I	3
FREN 102	Beginning French II	3
FREN 203	Intermediate French I	3
FREN204	Intermediate French II	3
FREN 300	Advanced French	3
FREN 491	Internship in French	3
FREN	Electives	21
EDUC	Electives	9
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 345	Teaching Foreign Language in PK-12	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 432	Critical Issues	2
EDUC 464	Student Teaching	10

**Total** ..... **120**

*\*Gen. Ed./Core PSY 100 satisfies 3 hours of area 1A, MATH 125 meets area 4, FREN 101 and 102 6 hours meets area 5A, EDUC 280 meets area 5C*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423*

- *All EDUC prefixed courses require a “C” or better*
- *Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check*

*See Teacher Education department for additional requirements*

## Bachelor of Science in Education

### Math (5-9) ..... Major Code EM21

#### General Education CORE 42 Requirements 42\* ..... 28

UE 100	First Year Experience**	1
ENG 250	Introduction to Literature*	3
KINE 103	Lifetime Wellness.....	2
MATH 119	Math for Elementary Teachers I	3
MATH 120	Math for Elementary Teachers I*	3
PSY 100	General Psychology*	3
MATH 125	Contemporary Mathematics.....	3
MATH 140	Algebra and Trigonometry	5
MATH 150	Calculus with Analytical Geometry I.....	5
MATH 310	Elementary Statistics	3
MATH 315	Algebraic Structures for Teachers	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society.....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#..	4
EDUC 339	Teaching Mathematics in Middle & Sec School	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language.....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 412	Mid School Philosophy Organization & Curriculum.....	2
EDUC 413	Methods Teaching Students in Middle Grades	2
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 452	Student Teaching.....	10
EDUC or approved content electives		13
<b>Total</b>		<b>120</b>

\*PSY 100 meets 3 hours of Core 42 area 1A MATH 120 satisfies area 4, ENG 250 (recommended) meets 3 hours of area 5A, EDUC 280 satisfies area 5C and KINE 103 satisfies area 5D.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

#Junior Block Courses

## Bachelor of Science in Education

### Secondary Math (9-12) .... Major Code ES15

#### General Education CORE 42 Requirements 42\* ..... 26

UE 100	First Year Experience**	1
ENG 250	Introduction to Literature*	3
MATH 150	Calculus and Analytical Geometry I*	5
PHYS 270	General Physics*	4
PSY 100	General Psychology*	3
CIS 110	Programming I	3
CIS 210	Programming II	3
MATH 250	Calculus and Analytical Geometry II	4
MATH 260	Calculus and Analytical Geometry III	4
MATH 300	Fundamentals of Math Thought	3
MATH 310	Elementary Statistics	3
MATH 332	Geometry	3
MATH 340	Discrete Mathematics	3
MATH 342	Abstract Algebra	3
MATH 350 or MATH 371 or MATH 452		3
MATH 351	Linear Algebra	3
MATH 361	Probability and Statistics I	3
MATH 421	Intro to Advanced Calculus	3
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 339	Teaching Mathematics in Middle & Secondary School	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I: Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 462	Student Teaching Secondary	10

**Total** ..... **124**

*\*PSY 100 meets 3 hours of Core 42 area 1A, PHYS 270 satisfies area 3B, 3 hours of MATH 150 satisfies area 4, ENG 250 (recommended) meets 3 hours of area 5A, EDUC 280 satisfies area 5C and KINE 103 satisfies area 5D.*

*\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

## **Bachelor of Science in Education**

### **Music Instrumental.....Major Code ES14**

#### **General Education/Core 42 Requirements 42\* ..... 27**

UE 100	First Year Experience** .....	1
ENG 250	Introduction to Literature* recommended.....	3
MATH 125	Contemporary Math* recommended .....	3
PSY 100	General Psychology.....	3
MUS 103	Class Piano I (or applied lesson) .....	1
MUS 104	Class Piano II (or applied lesson) .....	1
MUS 105	Voice Class (or applied lesson) .....	1
MUS 106	World Music* .....	3
MUS 107	Aural Skills I.....	1
MUS 108	Aural Skills II.....	1
MUS 111	Music Theory I .....	3
MUS 112	Music Theory II .....	3
MUS 182	Intro to Conduction: Instrumental Emphasis ..	2
MUS 191	Marching Band (1 cr hr 2 semesters).....	2
MUS 192	Concert Band (1 cr hr 2 semesters).....	2
MUS 203	Class Piano III (or applied lesson) .....	1
MUS 211	Music Theory III .....	3
MUS 212	Music Theory IV.....	3
MUS 240	Recital Attendance (take 7 semesters).....	0
MUS 311	History of Music I .....	3
MUS 312	History of Music II .....	3
MUS 333	Pre K-MS General Music Methods .....	3
MUS 391	Marching Band (1 cr hr 2 semesters).....	2
MUS 392	Concert Band.....	1
MUS 408	MS-Sec Choral Music Methods .....	3
MUS 411	Marching Band Methods.....	2
MUS 413	MS/Sec Instrumental Music Methods .....	3
MUS 420	Form and Analysis.....	3
MUS 433	Instrumental and Vocal Arranging.....	3
MUS 444	Adv Instrumental Conducting Techniques ....	2
MUS 450	Senior Recital .....	0
MUS	Various Applied Lesson (2 cr hrs, 7 semesters)..	14
MUS	Various Instrumental Tech(1 hr, 4 semesters) ....	4
MUS	Applied Voice.....	1
PSY 310	Educational Psychology.....	3
EDUC 280	Found of Education in Global Society.....	3
EDUC 302	The Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 335	Teaching Music in Secondary Schools.....	2
EDUC 381	Teaching in a Multicultural Society .....	3
EDUC 422	Content Area Literacy I:Sec/MS .....	3
EDUC 423	Classroom Management#.....	3
EDUC 432	Critical Issues .....	2
EDUC 464	Student Teaching (K-12).....	10

**TOTAL ..... 147**

*\*Gen. Ed./Core PSY 100 satisfies 3 hours of area 1A, MATH 125 meets area 4, ENG 250 satisfies 3 hours of area 5A, MUS 106 3 hours meets area 5B, EDUC 280 meets area 5C*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423*

- *All EDUC prefixed courses require a “C” or better*
- *Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check*

*See Teacher Education department for additional requirements*

*&EDUC 100 1 credit hour is recommended but not required.*

## Bachelor of Science in Education

### Music Vocal ..... Major Code ES22

#### General Education/Core 42 Requirements 42\* ..... 27

UE 100	First Year Experience**	1
ENG 250	Introduction to Literature* recommended	3
MATH 125	Contemporary Math recommended	3
PSY 100	General Psychology*	3
MUS 103	Class Piano I (or applied lesson)	1
MUS 104	Class Piano II (or applied lesson)	1
MUS 106	World Music*	3
MUS 107	Aural Skills I	1
MUS 108	Aural Skills II	1
MUS 111	Music Theory I	3
MUS 112	Music Theory II	3
MUS 121	Concert Chorale (1 cr hr, take 4 semesters)	4
MUS 181	Intro to Conducting: Choral Emphasis	2
MUS 203	Class Piano III (or applied lesson)	1
MUS 211	Music Theory III	3
MUS 212	Music Theory IV	3
MUS 220	Italian & German Vocal Diction	2
MUS 240	Recital Attendance (take 7 semesters)	0
MUS 311	History of Music I	3
MUS 312	History of Music II	3
MUS 321	Concert Chorale (1 cr hr, take 3 semesters)	3
MUS 330	Vocal Technique & Pedagogy	2
MUS 333	Pre K-MS General Music Methods	3
MUS 408	MS-Sec Choral Music Methods	3
MUS 409	Choral Literature	2
MUS 413	MS/Sec Instrumental Music Methods	3
MUS 420	Form and Analysis	3
MUS 433	Instrumental and Vocal Arranging	3
MUS 443	Adv Choral Conducting	2
MUS 450	Senior Recital	0
MUS	Various Applied Lesson (2 cr hrs, 7 semesters)	14
MUS	Various Instrumental Tech(1 hr, 2 semesters)	2
PSY 310	Educational Psychology	3
EDUC 280	Found of Education in Global Society	3
EDUC 302	The Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 335	Teaching Music in Secondary Schools	2
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/MS	3
EDUC 423	Classroom Management#	3
EDUC 432	Critical Issues	2
EDUC 464	Student Teaching (K-12)	10

**TOTAL** ..... **147 to 148&**

\*Gen. Ed./Core PSY 100 satisfies 3 hours of area 1A, MATH 125 meets area 4, ENG 250 satisfies 3 hours of area 5A, MUS 106 3 hours meets area 5B, EDUC 280 meets area 5C

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

*#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423*

- *All EDUC prefixed courses require a "C" or better*
- *Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check*

*See Teacher Education department for additional requirements*

*& EDUC 100 1 credit hour recommended but not required.*



## Bachelor of Science in Education

### Physical Education (K-12) Major Code ES06

#### General Education CORE 42 Requirements 42\* ..... 24

UE 100	First Year Experience** .....	1
BIO 180	Essential Anatomy & Physiology* .....	4
ENG 250	Introduction to Literature* recommended.....	3
MATH 125	Contemporary Mathematics* recommended ..	3
PSY 100	General Psychology* .....	3
KINE 113	Wellness for the Health Professional*.....	2
KINE 114	Fitness Programming & Assessment.....	2
KINE 135	History & Philosophy of Physical Education ..	2
KINE 220	First Aid and Sport Safety.....	2
KINE 251	Lifetime Activities .....	3
KINE 252	Team & Individual Sports Instruction .....	3
KINE 255	Dance & Recreational Pursuits .....	2
KINE 310	Theory & Technique of Elem Phys Educ I .....	3
KINE 312	Theory & Technique of Elem Phys Educ II ....	3
KINE 321	Theory & Technique of Secondary Phys Ed ..	3
KINE 332	Theory & Technique of Movement & Rhythms .....	3
KINE 340	Motor Learning in Physical Education.....	2
KINE 342	Biomechanical Analysis of Movement .....	3
KINE 345	Tests & Measures in Physical Education.....	2
KINE 355	Lifetime Sports Academy Practicum .....	1
KINE 367	Socio-Psychological Aspects of Phys Ed.....	3
KINE 370	School Health Education .....	2
KINE 375	Adapted Physical Education .....	3
KINE 385	Nutrition for Human Development.....	3
KINE 431	Physiology of Exercise.....	3
KINE 438	Applications in Physical Education .....	1
KINE 450	Prevention & Care of Athletic Injuries .....	3
PSY 310	Educational Psychology.....	3
EDUC 280	Education in a Global Society* .....	3
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 432	Critical Issues .....	2
EDUC 464	Student Teaching K-12 .....	10

**Total** ..... **124**

*\*PSY 100 meets 3 hours of Core 42 area 1A, BIO 180 satisfies area 3B, MATH 125 (recommended) satisfies area 4, ENG 250 (recommended) meets 3 hours of area 5A, EDUC 280 satisfies area 5C and KINE 113 and KINE 370 satisfies area 5D (2 hrs).*

*\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

## Bachelor of Science in Education

### Physics Secondary (9-12) Major Code ES07

#### General Education/Core 42 Requirements 42\* ..... 23

UE 100	First Year Experience** .....	1
BIO 102	General Biology* recommended .....	3
CHEM 140	General Chemistry I* .....	3
CHEM 141	General Chemistry I Lab* .....	1
ENG 250	Introduction to Literature* recommended.....	3
GEOL 120	Introduction to Geology* recommended.....	4
GEOL 300	Environmental Geology recommended.....	3
MATH 150	Calculus and Analytical Geometry I*.....	5
MATH 250	Calculus with Analytical Geometry II.....	4
MATH 260	Calculus with Analytical Geometry III.....	4
MATH 322	Differential Equations.....	3
PSY 100	General Psychology* .....	3
PHIL 420	Philosophy of Science .....	3
PHYS 270	General Physics I* .....	4
PHYS 290	General Physics II.....	4
PHYS 291	General Physics II Lab.....	1
PHYS 301	Modern Physics .....	4
PHYS 322	Classical Mechanics .....	3
PHYS 401	Electricity and Magnetism.....	4
PHYS 452	Quantum Mechanics.....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society* .....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices#..	4
EDUC 333	Teaching Science in Secondary Schools.....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL.....	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II:Sec/Mdle School .....	3
EDUC 432	Critical Issues .....	2
EDUC 462	Student Teaching.....	10

**Total** ..... **127**

\*Gen. Ed./Core 42 ENG 250 satisfies 3 hours of area 5A, MATH 150 satisfies area 4, PSY 100 satisfies 3 hours of area 1A, BIO 102 or CHEM 140 satisfy area 3A (3 hrs), PHYS 270 or GEOL 120 satisfies area 3B (4 hrs), EDUC 280 satisfies area 5C

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher; cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check

See Teacher Education department for additional requirements

## Bachelor of Science in Education

### Science (5-9) .....Major Code EM23

#### General Education CORE 42 Requirements 42\* ..... 23

UE 100	First Year Experience** .....	1
BIO 108/109	Principles of Biology I/Lab* .....	4
BIO 111	Principles of Biology II .....	4
BIO 312	Environmental Biology OR EH 107 .....	3
CHEM 121/122	Chemistry for Allied Health Sciences w/lab .....	4
ENG 250	Introduction to Literature* recommended .....	3
GEOL 211	Fundamentals of Earth & Space Science .....	4
MATH 125	Contemporary Mathematics* recommended .....	3
PHYS 121	Fund of Physical Science w/lab * .....	4
PSY 100	General Psychology* .....	3
	Science elective .....	4
PSY 310	Educational Psychology .....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society .....	3
EDUC 302	Exceptional Child .....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 333	Teaching Science in Middle & Sec School .....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL .....	
EDUC 412	Mid School Philosophy Organization & Curriculum .....	2
EDUC 413	Methods Teaching Students in Middle Grades .....	2
EDUC 422	Content Area Literacy I: Sec/Mid School .....	3
EDUC 423	Classroom Management# .....	3
EDUC 424	Content Area Literacy II: Sec/Mid School .....	3
EDUC 432	Critical Issues .....	2
EDUC 452	Student Teaching .....	10
EDUC or content approved	electives .....	15
<b>Total</b>		<b>120</b>

*\*Meets general education Core 42 requirements: Area 1A 3 hours met by PSY 100, Area 3A 3 hours met by BIO 108 or CHEM 121, Area 3B 4 hours met by PHYS 121, Area 4 4 hours met by MATH 125, Area 5A 3 hours met by ENG 250, Area 5C 3 hours met by EDUC 280*

*\*\* Degree requirement H may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

## Bachelor of Science in Education

### Secondary Social Science/History (9-12)

Major Code ES19

#### General Education/Core 42 Requirements 42\* ..... 15

UE 100	First Year Experience** .....	1
ART 251	Art History Pre-Historic-Goth* recommended ....	3
OR		
ART 252	Art History Renaissance-19 <sup>th</sup> Century*	
ECON 101	Economics of Social Issues* .....	3
ECON 201	Principles of Economics (Macro) .....	3
OR		
ECON 202	Principles of Economics (Micro)	
ENG 250	Introduction to Literature* recommended.....	3
GEOG 111	World Regional Geography* .....	3
GEOG 120	Intro to Physical Geography* recommended ....	3
HIST 110	US History 1492-1877* .....	3
HIST 120	US History 1877 to Present* .....	3
HIST 130	Western Civilization to 1660* .....	3
HIST 140	Western Civilization since 1660* .....	3
HIST 160	History of Latin America.....	3
MATH 125	Contemporary Mathematics* recommended.....	3
PSC 120	American Government* .....	3
PSY 100	General Psychology* .....	3
SOC 110	Introduction to Sociology* .....	3
GEOG	Elective Upper Division.....	3
HIST 201	Introduction to Historical Research.....	3
HIST 497	Seminar in Historical Research .....	3
HIST	Elective Upper Division.....	6
HIST	Elective Upper Division Asia/Latin America ...	3
HIST	Elective Upper Division European .....	3
HIST	Elective Upper Division US.....	6
PSC	Elective Upper Division.....	3
SOC	Elective Upper Division.....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society* .....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 334	Teaching Social Studies in Middle & Sec School.....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language.....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II: Sec/Mid School .....	3
EDUC 432	Critical Issues .....	2
EDUC 462	Student Teaching.....	10

**Total** ..... **135**

\*Gen. Ed./Core 42 –ECON 101,PSY 100 and/or SOC 110 satisfy area 1A(6 hrs), PSC 120 or HIST 110 or HIST 120 satisfy area 1B(3 hrs), GEOG 120 satisfies area 3A (3 hrs), MATH 125 satisfies area 4 (3 hrs), ENG 250 and HIST

*130 or 140 satisfies area 5A (6 hrs), ART 251 or 252 satisfies area 5B, EDUC 280 (or HIST 130 or 140) satisfies area 5C*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

- All EDUC prefixed courses require a "C" or better*
  - Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check*
- See Teacher Education department for additional requirements*

## Bachelor of Science in Education

### Secondary Social Science/Political Science (9-12)

Major Code ES18

#### General Education/Core 42 Requirements 42\* ..... 18

UE 100	First Year Experience** .....	1
ECON 101	Economics of Social Issues* .....	3
ECON 201	Principles of Economics (Macro) .....	3
OR		
ECON 202	Principles of Economics (Micro)	
ENG 250	Introduction to Literature* recommended.....	3
GEOG 111	World Regional Geography* .....	3
GEOG 120	Intro to Physical Geography* recommended .....	3
HIST 110	US History 1492-1877* .....	3
HIST 120	US History 1877 to Present* .....	3
HIST 130	Western Civilization to 1660 .....	3
HIST 140	Western Civilization since 1660 .....	3
MATH 125	Contemporary Mathematics* recommended.....	3
PSC 120	American Government.....	3
PSY 100	General Psychology* .....	3
SOC 110	Introduction to Sociology* .....	3
GEOG	Elective Upper Division.....	3
HIST	Elective Upper Division Asia/European/Latin America..	3
HIST	Elective Upper Division US.....	6
PSC	Elective Upper Division.....	12
SOC	Elective Upper Division.....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society* .....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices#..	4
EDUC 334	Teaching Social Studies in Middle & Sec School.....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language .....	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II: Sec/Mid School .....	3
EDUC 432	Critical Issues .....	2
EDUC 462	Student Teaching.....	10
<b>Total</b>	.....	<b>126</b>

\*Gen. Ed./Core 42 –ECON 101, PSY 100 and/or SOC 110 satisfy area 1A(6 hrs), PSC 120 or HIST 110 or HIST 120 satisfy area 1B(3 hrs), GEOG 120 satisfies area 3A (3 hrs), MATH 125 satisfies area 4 (3 hrs), ENG 250 and HIST 130 or 140 satisfies area 5A (6 hrs), EDUC 280 (or HIST 130 or 140) satisfies area 5C

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#### #Junior Block Courses

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher; cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check

See Teacher Education department for additional requirements

## Bachelor of Science in Education

### Secondary Social Science/Sociology (9-12) Major Code ES03

#### General Education/Core 42 Requirements 42\* ..... 18

UE 100	First Year Experience**	1
ECON 101	Economics of Social Issues*	3
ECON 201	Principles of Economics (Macro)	3
OR		
ECON 202	Principles of Economics (Micro)	
ENG 250	Introduction to Literature* recommended	3
GEOG 111	World Regional Geography*	3
GEOG 120	Intro to Physical Geography* recommended	3
HIST 110	US History 1492-1877*	3
HIST 120	US History 1877 to Present*	3
HIST 130	Western Civilization to 1660*	3
HIST 140	Western Civilization since 1660*	3
MATH 125	Contemporary Mathematics* recommended	3
PSC 120	American Government*	3
PSY 100	General Psychology*	3
SOC 110	Introduction to Sociology*	3
ANTH 342	Comparative Cultures	3
GEOG	Elective Upper Division	3
HIST	Elective Upper Division Asia/European/Latin America	3
HIST	Elective Upper Division US	3
PSC	Elective Upper Division	6
SOC 210	Social Problems	3
SOC 221	Marriage and Family	3
SOC	Elective Upper Division	6
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 334	Teaching Social Studies in Middle & Sec School	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I: Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 452	Student Teaching	10

#### Total ..... 129

\*Gen. Ed./Core 42 –ECON 101, PSY 100 and/or SOC 110 satisfy area 1A (6 hrs), PSC 120 or HIST 110 or HIST 120 satisfy area 1B (3 hrs), GEOG 120 satisfies area 3A (3 hrs), MATH 125 satisfies area 4 (3 hrs), ENG 250 and HIST 130 or 140 satisfies area 5A (6 hrs), EDUC 280 (or HIST 130 or 140) satisfies area 5C

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#### #Junior Block Courses

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check



See Teacher Education department for additional requirements

## **Bachelor of Science in Education**

### **Social Studies (5-9) .....Major Code EM24**

#### **General Education CORE 42 Requirements 42\* ..... 18**

UE 100	First Year Experience** .....	1
ECON 101	Economics of Social Issues* .....	3
ECON 201	Principles of Economics (Macro) .....	3

OR

ECON 202	Principles of Economics (Micro)	
GEOG 111	World Regional Geography .....	3
GEOG 120	Intro to Physical Geography recommended .....	3
HIST 110	US History 1492-1877 .....	3
HIST 120	US History 1877-present* .....	3
HIST 130	Western Civilization to 1660 .....	3
HIST 140	Western Civilization since 1660 .....	3
HIST 160	History of Latin America.....	3
HIST 201	Introduction to Historical Research .....	3
MATH 125	Contemporary Mathematics* recommended.....	3
PSC 120	American Government.....	3
PSY 100	General Psychology* .....	3
PSY 310	Educational Psychology.....	3
EDUC 100	Introduction to Teacher Education I .....	1
EDUC 280	Education in a Global Society.....	3
EDUC 302	Exceptional Child.....	2
EDUC 321	Microteaching# .....	1
EDUC 329	Pedagogical Theory, Methods & Practices# ..	4
EDUC 334	Teaching Social Studies in Middle & High School.....	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language.....	3

OR

EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 412	Mid School Philosophy Organization & Curriculum.....	2
EDUC 413	Methods Teaching Students in Middle Grades .....	2
EDUC 422	Content Area Literacy I:Sec/Mid School .....	3
EDUC 423	Classroom Management#.....	3
EDUC 424	Content Area Literacy II: Sec/Mid School .....	3
EDUC 432	Critical Issues .....	2
EDUC 452	Student Teaching.....	10
EDUC	or approved content elective.....	17

**Total ..... 120**

*\*Meets general education Core requirements: Area 1A 6 hours met by ECON 101 and PSY 100, Area 1B 3 hours met by HIST 110 or HIST 120 or PSC 120, Area 3A 3 hours met by GEOG 120, Area 4 3 hours met by MATH 125, Area 5A 6 hours met by HIST 130 and 140, Area 5C 3 hours met by EDUC 280.*

*\*\*Institutional degree requirement H may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses*

## Bachelor of Science in Education

### Spanish (K-12) .....Major Code ES20

#### General Education/Core 42 Requirements 42\* ..... 27

UE 100	First Year Experience**	1
MATH 125	Contemporary Math* recommended	3
PSY 100	General Psychology*	3
SPAN 101	Beginning Spanish I	3
SPAN 102	Beginning Spanish II	3
SPAN 203	Intermediate Spanish I	3
SPAN 204	Intermediate Spanish II	3
SPAN 300	Grammar and Composition	3
SPAN 399	Spanish Study Abroad	3

OR

SPAN 491	Internship in Spanish	
SPAN	Electives	21
SPAN/EDUC	Electives	6
EDUC	Elective	3
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 345	Teaching Foreign Language in PK-12	3
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3

OR

EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 432	Critical Issues	2
EDUC 464	Student Teaching	10

**Total** ..... **120**

*\*Gen. Ed./Core PSY 100 satisfies 3 hours of area 1A, MATH 125 meets area 4, SPAN 101 and 102 6 hours meets area 5A, EDUC 280 meets area 5C*

*\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)*

*#Junior Block Courses – requires tentative admission and concurrent enrollment in EDUC 321, 329, 423*

- All EDUC prefixed courses require a “C” or better
- Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check

*See Teacher Education department for additional requirements*

## Bachelor of Science in Education

### Secondary Speech & Theatre (9-12) Major Code ES21

#### General Education/Core 42 Requirements 42\* ..... 24

UE 100	First Year Experience**	1
ENG 250	Introduction to Literature* recommended	3
MATH 125	Contemporary Mathematics* recommended	3
PSY 100	General Psychology*	3
COMM 101	Intro to Human Communication	3
COMM 215	Interpersonal Communication	3
COMM 304	Small Group Communication	3
COMM 315	Argumentation and Debate	3
COMM	Electives	3
TH 110	Theatre Appreciation	3
TH 142	Theatre Technology	3
TH 212	Oral Interpretation	3
TH 241	Acting I	3
TH 252	Introduction to Western Drama	3
TH 351	Directing I	3
EDUC or approved content electives		13
PSY 310	Educational Psychology	3
EDUC 100	Introduction to Teacher Education I	1
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 344	Teaching Speech/Theatre in Middle & Sec School	2
EDUC 380	Theories of Teaching English as a 2 <sup>nd</sup> Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL	
EDUC 422	Content Area Literacy I: Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 432	Critical Issues	2
EDUC 462	Student Teaching	10

**Total** ..... **120**

\*General education/Core 42 requirements PSY 100 satisfies 3 hours of area 1A, MATH 125 3 hour meets area 4, ENG 250 satisfies 3 hours of area 5A, TH 110 3 hours meets area 5B, EDUC 280 3 hours meets area 5C.

\*\*Degree requirement H, may also be met by HNRS 101 (2 credit hours)

#### #Junior Block Courses

- All EDUC prefixed courses require a "C" or better
  - Degree completion: cumulative GPA 2.75 or higher, cumulative content GPA 3.0 or higher. Missouri Content Assessment (MoCA). All other coursework completed. Approved background check
- See Teacher Education department for additional requirements

## **Bachelor of Arts ..... Major Code TH00**

### **Theatre Major**

#### **General Education CORE 42 Requirements 42\* ..... 33**

UE 100	First Year Experience**	1
Modern Language Courses in same prefix*		10-12
Theatre Requirements		51
TH 0110	Theatre Appreciation*	3
TH 0121,0122,0221,0222,0321 or 0322	Theatre Laboratory(Select two)	4
TH 0142	Theatre Technology	3
TH 0231	Speech for Stage I	3
TH 0232	Costume Technology	3
TH 0233	Stage Makeup	3
TH 0234	Introduction to Theatrical Design	3
TH 0241	Acting I	3
TH 0331	History of Theatre I	3
TH 0332	History of Theatre II	3
TH 0341	Acting II***	3
TH 0351	Directing I***	3
TH 0362	Stage Costume Design***	3
TH 0320	Stage Lighting***	3
OR		
TH 0361	History of Costume (3)	
OR		
TH 0372	Directing II*** (3)	
TH 0422	Acting III*** (3)	3
OR		
TH 0431	Creative Dramatics (3)	
OR		
TH 0311	Stage Management (3)	
TH 0441	Stage Design***	3
TH 0489	Senior Project I	1
TH 0490	Senior Project II	1

#### **Electives.....23-25**

#### **Total ..... 120**

TH 0110 satisfies CORE 42 Area 5B, 3 hours of Modern Language satisfies CORE 42 area 5C and an additional 3 hours of Modern Language satisfies 3 hours of area 5A.

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

A total of **39** upper division hours (300-400) is required, 24 specified in theatre plus 15 electives in other areas.

# Graduate Programs

## Accounting, Master of Accountancy (MAcc) Accelerated Program, GR10

### Major Code: GR10

Required Courses: 30 Hours

ACCT 0502 - Financial Accounting and Reporting	3	
ACCT 0508 - Tax Planning and Research	3	
ACCT 0545 - Integrative Accounting Seminar	3	
ACCT 0585 - Controllership		3
ACCT 0601 - Ethics and Professional Responsibility	3	
ACCT 0604 - Contemporary Auditing Issues	3	
ACCT 0632 - Seminar in Financial Accounting Theory	3	
FIN 0535 - Financial Analysis		3
MGMT 0552 - Strategic Management	3	
Required Accounting Elective (3 hours): (choose one)	3	
ACCT 0691 - Professional Internship	3	
ACCT 0692 - Seminar in Accounting Leadership	3	
ACCT 0699 - Independent Study in Accounting	3	
<b>Total Hours:</b>		<b>30</b>

## Accounting, Master of Accountancy (MAcc) Traditional Program, GR09

### Major Code: GR09

Required Courses: 30 Hours

ACCT 0502 - Financial Accounting and Reporting	3	
ACCT 0508 - Tax Planning and Research	3	
ACCT 0545 - Integrative Accounting Seminar	3	
ACCT 0585 - Controllership		3
ACCT 0601 - Ethics and Professional Responsibility	3	
ACCT 0604 - Contemporary Auditing Issues	3	
ACCT 0632 - Seminar in Financial Accounting Theory	3	
FIN 0535 - Financial Analysis		3
MGMT 0552 - Strategic Management	3	
Required Accounting Elective(3 hours): (choose one)	3	
ACCT 0691 - Professional Internship	3	
ACCT 0692 - Seminar in Accounting Leadership	3	
ACCT 0699 - Independent Study in Accounting	3	
<b>Total Hours:</b>		<b>30</b>

**Education, Administration, MEd, GR13****Major Code GR13 Master of Science in Education (MSEd)**

Required Courses: 26 Hours

EDUC 0603 - Foundations of School Administration	3
EDUC 0607 - Leadership Capstone	2
EDUC 0623 - Ethics & Policy in School Leadership	3
EDUC 0627 - School Supervision	3
EDUC 0630 - Assessment of Student Learning	3
EDUC 0633 - Administration Leadership	3
EDUC 0635 - School Law	3
EDUC 0640 - Curriculum Construction	3
EDUC 0650 - Research Design	3

**Concentration One - Elementary:**

EDUC 0665 - Elementary School Administration	2
EDUC 0668 - Internship I in Elementary School Admin	1
EDUC 0670 - Internship II in Elementary School Admin	1

**OR****Concentration Two - Secondary: 4 Hours**

EDUC 0667 - Secondary School Administration	2
EDUC 0669 - Internship I in Secondary School Admin	
EDUC 0671 - Internship II in Secondary School Admin	1

**Total Hours: 30****Education, Curriculum and Instruction, MEd, GR08****Major Code: GR08 Master of Science in Education**

Required Courses: 18 Hours

EDUC 0605 - Educational Technology	3
EDUC 0620 - Advanced Learning Theories	3
EDUC 0625 - Advanced Content Area Literacy	3
EDUC 0630 - Assessment of Student Learning	3
EDUC 0640 - Curriculum Construction	3
EDUC 0650 - Research Design	3

Electives: 18 Hours

Electives can be taken toward customized emphasis areas, including secondary content and/or ELL leading to certification. Meet with the graduate program advisor to build your plan of study.

EDUC 0581 - Advanced Culture and Language Acquisition (Sociolinguistics) for ELL	3
EDUC 0587 - Linguistics and English Linguistics	3
EDUC 0601 - Current Issues	3
EDUC 0610 - Multiculturalism in Education	3
EDUC 0615 - Classroom and Behavioral Management	3
EDUC 0635 - School Law	3
EDUC 0645 - Teaching Methods and Instructional Strategies in the Subject Area	3
EDUC 0660 - Teacher Leadership	3

**Total Hours: 36**

**Education, English Language Learner K-12, MEd, GR14****Major Code GR14 Master of Science in Education**

Required Courses: 21 Hours

EDUC 0580 - Instructional Techniques for Teaching English Language Learners	3		
EDUC 0581 - Advanced Culture and Language Acquisition (Sociolinguistics) for ELL	3		
EDUC 0582 - Practicum for Teaching English Language Learners		3	
EDUC 0583 - Second Language Acquisition		3	
EDUC 0584 - Advanced Curriculum Development in English Language Learners	3		
EDUC 0585 - Advanced Assessment Strategies in English Language Learners	3		
EDUC 0587 - Linguistics and English Linguistics		3	
Electives:			15
EDUC 0601 - Current Issues	3		
EDUC 0603 - Foundations of School Administration	3		
EDUC 0605 - Educational Technology	3		
EDUC 0610 - Multiculturalism in Education	3		
EDUC 0615 - Classroom and Behavioral Management	3		
EDUC 0620 - Advanced Learning Theories	3		
EDUC 0623 - Ethics & Policy in School Leadership	3		
EDUC 0625 - Advanced Content Area Literacy	3		
EDUC 0630 - Assessment of Student Learning	3		
EDUC 0635 - School Law	3		
EDUC 0640 - Curriculum Construction	3		
EDUC 0645 - Teaching Methods and Instructional Strategies in the Subject Area	3		
EDUC 0650 - Research Design	3		
EDUC 0660 - Teacher Leadership	3		
<b>Total Hours:</b>			<b>36</b>



**Human Resources Emphasis, Master of Science in Management, MSM, GR11****Major Code GR11 Master of Science**

Core Curriculum: 18 Hours

FIN 0600 - Budgeting & Financial Controls	3	
MGMT 0637 - Data Analysis & Decision Making	3	
MGMT 0650 - Contemporary Organizational Management	3	
MGMT 0652 - Applied Human Resources	3	
MGMT 0741 - Leadership and Ethics		3
MRKT 0752 - Bus Strategy & Value Creation	3	
Human Resources Track: 12 Hours		
MGMT 0743 - Recruitment and Retention	3	
MGMT 0745 - Contemporary Compensation	3	
MGMT 0747 - Perm Imp, Training and Develop	3	
MGMT 0749 - Strategic HR Management	3	
<b>Total Hours:</b>		<b>30</b>

**Management Emphasis, Master of Science in Management, MSM, GR12****Major Code GR12 Master of Science**

Core Curriculum: 18 Hours

FIN 0600 - Budgeting & Financial Controls	3	
MGMT 0637 - Data Analysis & Decision Making	3	
MGMT 0650 - Contemporary Organizational Management	3	
MGMT 0652 - Applied Human Resources	3	
MGMT 0741 - Leadership and Ethics		3
MRKT 0752 - Bus Strategy & Value Creation	3	
Management Track: 12 Hours		
IB 0710 - Global Management Strategy	3	
MGMT 0552 - Strategic Management	3	
Electives 6 Hours):		6
MGMT 0791 - Applied Research	3	
MGMT 0798 - Advanced Topics in Management	0-3 AND	
MGMT 0799 - Independent Study in Mgmt	3	
OR up to 6 hours approved graduate level transfer courses (0-6)		
<b>Total Hours:</b>		<b>30</b>

# Minors

## Accounting Minor, BSBA Degree Candidates, AC81

### Major Code: AC81

#### Required Courses

ACCT 0309 - Accounting Information Systems	3
ACCT 0312 - Intermediate Accounting I	3
ACCT 0375 - Tax Accounting I	3
Upper Division Accounting electives	9
<b>Total for Minor (Accounting):</b>	<b>18</b>

## Accounting Minor, Non-BSBA Degree Candidates, AC80

### Major Code: AC80

#### Required Courses

ACCT 0309 - Accounting Information Systems	3
ACCT 0312 - Intermediate Accounting I	3
ACCT 0375 - Tax Accounting I	3
GB 0301 - Legal Environment of Business I	3
FIN 0350 - Financial Management	3
Upper Division Accounting electives	6
<b>Total for Minor (Accounting):</b>	<b>21</b>

\*Must meet prerequisites of individual courses.

## Advanced Power Minor (Physics/Chemistry), PH81

### Minor Code: PH81

#### Required Courses

PHYS 0372 - Electronics for Experimental Physicists	4	
CHEM 0440 - Introduction to Electrochemistry		3
PHYS 0440 - Test and Evaluation of Electrochemical Device	3	
CHEM 0442 - Design and Modeling of Electrochemical Devices		3
CHEM 0444 - Materials and Processing Methods for Electrochemical Devices	4	
CHEM 0498 - Advanced Topics in Chemistry	1-5	
<b>Total Hours:</b>		<b>19-20</b>

**Anthropology Minor, Cultural Anthropology, SO84****Minor Code: SO84**

Foundational Courses: 9 Hours

ANTH 0101 - General Anthropology 3

OR

ANTH 0155 - Physical Anthropology and Archaeology 3

ANTH 0342 - Comparative Cultures 3

ANTH 0385 - Language &amp; Culture 3

Area Concentration Course(3 hours) : 3

(choose one)

ANTH 0302 - North American Indians 3

FREN 0302 - Contemporary French Culture and Civilization 3

FREN 0306 - French Culture &amp; Civilization 3

HIST 0150 - Asian Civilizations 3

HIST 0313 - East Asian Civilizations I 3

HIST 0415 - African American History and Culture 3

SOC 0303 - The Arab World 3

SPAN 0306 - Introduction to Spanish Civilization 3

SPAN 0307 - Introduction to Latin American Civilization 3

Elective Topical Courses(6 Hours): 6

(choose two)

ANTH 0298 - Topics in Anthropology 3

ANTH 0304 - Magic, Ritual, and Religion 3

ANTH 0370 - Globalization &amp; Native People 3

OR

INTS 0370 - Globalization and Native Peoples 3

ANTH 0498 - Advanced Topics in Anthropology 3

ANTH 0499 - Independent Study 3

INTS 0301 - World Humanities 3

INTS 0302 - Environment and Society 3

OR

GEOG 0302 - Environment and Society 3

GEOG 0310 - Human Geography 3

SOC 0498 - Advanced Topics in Sociology 3 (with advisor approval)

**Total Hours: 18****Art Minor, Art History, AR82****Minor Code: AR82**

Required Courses:

ART 0251 - Art History, Pre-Historic Through Gothic 3 9 Hours

ART 0252 - Art History, Renaissance through Nineteenth Century 3

ART 0320 - Introduction to Gallery Studies 3

Select 9 hours from the following: 9

ART 0303 - Art History, 19th Century 3

ART 0304 - Art History, 20th Century 3

ART 0308 - Women in Art 3

ART 0309 - History and Theory of Graphic Design 3

ART 0498 - Special Topics in Art 1-3

**Total Hours: 18**

**Art Minor, Graphic Design, AR81****Minor Code: AR81**

## Required Courses:

ART 0101 - Two Dimensional Design	3	
ART 0130 - Basic Drawing	3	
ART 0140 - Basic Digital Photography/Computer Skills	3	
ART 0215 - Digital Illustration		3
ART 0216 - Introduction to Web Design	3	
ART 0240 - Introduction to Typography	3	
ART 0309 - History and Theory of Graphic Design	3	
ART 0325 - Page Layout Design	3	
<b>Total Hours:</b>		<b>24</b>

**Art Minor, Studio Art, AR80****Minor Code: AR80**

## Required Courses:

		9 Hours
ART 0101 - Two Dimensional Design	3	
ART 0103 - Three Dimensional Design	3	
ART 0130 - Basic Drawing	3	
<b>Two Dimensional Media Select One:</b>	3	
ART 0140 - Basic Digital Photography/Computer Skills	3	
ART 0212 - Introduction to Printmaking	3	
ART 0232 - Beginning Painting	3	
<b>Three Dimensional Media Select One:</b>	3	
ART 0207 - Beginning Ceramics	3	
ART 0205 - Beginning Jewelry Design/Metalsmithing	3	
ART 0211 - Beginning Sculpture	3	
Any Upper Division Art History class:		3
EXCEPT ART 0309		
Upper Division Studio Art Elective:	3	
<b>Total Hours:</b>		<b>21</b>

\*Beginning Painting requires an additional prerequisite of ART 0105 - Color Theory .

**Biology Minor, BI80****Minor Code: BI80**

Requires a minimum of **20 Biology credit hours**. At least 6 credit hours must be upper division (300-400 level) and at least 12 credit hours must be 200 level or above. Courses must be chosen in consultation with an academic advisor from the Department of Biology and Environmental Health.

**Chemistry Minor, CH 80****Minor Code: CH80**

## Required Courses:

CHEM 0140 - General Chemistry I	3	
CHEM 0141 - Gen Chemistry I Laboratory	1	
CHEM 0142 - General Chemistry II	5	
CHEM 0201 - Analytical Chemistry	5	
CHEM 0301 - Organic Chemistry I	5	
<b>Total Hours:</b>		<b>19</b>

\* See Prerequisites

**Chinese Minor, Modern Language, FL80****Minor Code: FL80**

A minor in Chinese requires **18 hours of courses in Chinese** of which six must be Upper Division.

**CIS Minor, Information Assurance & Security, CI84****Minor Code: CI84**

CIS Requirements: 27 Hours

CIS 0110 - Programming I 3

CIS 0210 - Programming II 3

CIS 0315 - Computer Networks 3

CIS 0325 - Windows LAN Administration 3

CIS 0345 - UNIX System Administration 3

CIS 0355 - Enterprise Network Administration and Security 3

CIS 0405 - Cryptography & .NET Security 3

CIS 0440 - Computer Forensics I 3

CIS 0445 - Computer Forensics II 3

**Total Hours:** 27

**CIS Minor, Information Systems, CI80****Minor Code: CI80**

CIS Requirements: 21 Hours

CIS 0110 - Programming I 3

CIS 0202 - Information Systems I 3

CIS 0210 - Programming II 3

CIS 0310 - Database Management Systems I 3

CIS 0410 - Information Systems II 3

CIS Electives 6 \*

**Total Hours:** 21

\*May not select CIS 0105 or CIS 0305.

**CIS Minor, Network Systems Administration, CI82****Minor Code: CI82**

CIS Requirements: 21 Hours

CIS 0110 - Programming I 3

CIS 0210 - Programming II 3

CIS 0315 - Computer Networks 3

CIS 0325 - Windows LAN Administration 3

CIS 0345 - UNIX System Administration 3

CIS 0355 - Enterprise Network Administration and Security 3

CIS Elective 3 \*

**Total Hours:** 21

\*May not select CIS 0105 or CIS 0305.

**CIS Minor, Website Administration, CI83****Minor Code: CI83**

CIS Requirements: 21 Hours

CIS 0110 - Programming I	3	
CIS 0210 - Programming II	3	
CIS 0308 - Website Administration I	3	
CIS 0310 - Database Management Systems I	3	
CIS 0340 - Website Administration II		3
CIS 0345 - UNIX System Administration	3	
CIS 0385 - App Development for Android Devices	3	
<b>Total Hours:</b>		<b>21</b>

**Communication Minor, Mass Communication, CO80****Minor Code: CO80**

Required Courses: 21 Hours

COMM 0100 - Oral Communication	3	
COMM 0111 – Newswriting		3
COMM 0310 - Communication Law	3	
COMM 0420 - Mass Communications Theory	3	
Upper Division Communication Electives	9 *	
<b>Total Hours:</b>		<b>21</b>

\*Electives must be chosen in consultation with a communication department advisor. A student may emphasize either the print or broadcast media.

**Communication Minor, Multimedia: Communication Emphasis, MM84****Minor Code: MM84**

Required: 12 Hours

MRKT 0405 – eMarketing	3	
CIS 0110 - Programming I	3	
ART 0101 - Two Dimensional Design	3	
COMM 0101 - Introduction to Human Communication	3	
Communication Emphasis Select Two:	6	
COMM 0200 - Audio Production for Media	3	
COMM 0211 - Introduction to Public Relations	3	
COMM 0470 - New Media Technology	3	
<b>Total Hours:</b>		<b>18</b>

Other courses may be substituted with permission of advisor.

**Communication Minor, Public Relations, CO81****Minor Code: CO81**

Required Courses: 15 Hours

COMM 0100 - Oral Communication	3	
COMM 0111 – Newswriting		3
COMM 0211 - Introduction to Public Relations	3	
COMM 0355 - Case Studies Public Relations	3	
COMM 0455 - Writing for Public Relations	3	
Communication Electives:	6	

Must be upper division (300-400 level) and chosen in consultation with a Communication department advisor.

Total Hours: 21

**Communication Minor, Speech, CO82****Minor Code: CO82**

Required Courses: 12 Hours

COMM 0100 - Oral Communication 3

COMM 0101 - Introduction to Human Communication 3

COMM 0215 - Interpersonal Communication 3

COMM 0303 - Advanced Public Speaking 3

Communication Electives: 9

Must be upper division (300-400 level) chosen in consultation with a Communication department advisor.

**Total Hours: 21**

\*Electives must be chosen in consultation with a communication department advisor.

**Continuous Process Improvement Minor IE85****Minor Code IE85**

Required Engineering Technology Curriculum: 18 Hours

IET 0320 - Applied Statistical Quality Control 3

IET 0380 - Principles of Lean 3

IET 0470 - Six Sigma Methodology 3

**Select One: 3**

IET 0315 - Probability &amp; Statistics for Engineers 3

MATH 0310 - Elementary Statistics 3

GB 0321 - Business Statistics I 3

PSY 0320 - Applied Statistics for the Behavioral and Natural Sciences 3

**Select Two: 6**

IET 0205 - Computer Applications and Cost Analysis 3

IET 0355 - Work Measurement/Ergonomics 3

IET 0425 - Design Experiments 3

**Total Hours: 18****Criminal Justice Administration Minor, CJ82****Minor Code: CJ82**

Required Courses:

LE 0100 - Introduction to Criminal Justice 3

LE 0210 - Criminal Procedure 3

LE 0232 - Ethics in Criminal Justice 3

LE 0250 - Criminal Law 3

Electives: 12

Students may select 12 hours from LE and CJAD electives. At least nine hours must be upper division.

**Total Hours: 24****Criminal Justice Minor, Corrections, CJ80****Minor Code: CJ80**

Required Courses:

LE 0100 - Introduction to Criminal Justice 3

CJAD 0320 - Probation and Parole 3

CJAD 0411 - Juvenile Corrections 3

CJAD 0412 - Correctional Practices 3

SOC 0351 - Criminology 3

SOC 0362 - Deviant Behavior 3

SOC 0391 - Penology and Corrections 3

PSY 0221 - Personal Adjustment 3

**Total Hours: 24**



**Criminal Justice Minor, Juvenile Justice, CJ83****Minor Code: CJ83**

Required Courses: 21 Hours

LE 0100 - Introduction to Criminal Justice	3	
CJAD 0275 - The Juvenile Justice System	3	
CJAD 0410 - Juvenile Procedures	3	
CJAD 0411 - Juvenile Corrections	3	
CJAD 0430 - Family Violence		3
CJAD 0485 - Child Exploitation and Pornography Investigation	3	
SOC 0312 - Juvenile Delinquency	3	
Select from one of the following:	3	
PSY 0200 - Child Development	3	
PSY 0201 - Adolescent Development	3	
<b>Total Hours:</b>		<b>24</b>

**CSI (Crime Scene Investigation) Minor, CJ81****Minor Code: CJ81**

Required Courses: 21 Hours

LE 0100 - Introduction to Criminal Justice	3	
LE 0200 - Crime Scene Investigation I	3	
LE 0220 - Crime Scene Photography		3
CJAD 0340 - Crime Scene Investigation II	3	
CJAD 0390 - Crime Analysis		3
CJAD 0400 - Homicide Investigation		3
CJAD 0450 - Criminal Evidence	3	
<b>Select One:</b>		<b>3</b>
LE 0210 - Criminal Procedure	3	
LE 0250 - Criminal Law	3	
<b>Total Hours</b>		<b>: 24</b>

**Economics Minor, BSBA Degree Candidates, EC85****Minor Code: EC85**

Required Courses

ECON 0300 - Money and Financial Institutions	3	
ECON 0301 - Managerial Economics	3	
ECON 0302 - Intermediate Macroeconomics	3	
ECON 0410 - Introduction to Econometrics	3	
Economics Electives (upper division):	6	
<b>Total for Minor:</b>	18	

Must meet prerequisites of individual courses.

**Economics Minor, Non-BSBA Degree Candidates, EC86****Minor Code: EC86**

Required Courses

ECON 0201 - Principles of Economics (Macro)	3	
ECON 0202 - Principles of Economics (Micro)	3	
ECON 0300 - Money and Financial Institutions	3	
ECON 0301 - Managerial Economics	3	
ECON 0302 - Intermediate Macroeconomics	3	
<b>Total:</b>		<b>21 Hours</b>

Must meet prerequisites of individual courses.

Economics Electives (upper division): 6 Hours

**English Minor, Creative Writing, EN82****Minor Code: EN82**

English Requirements: 9 Hours

ENG 0216 - Creative Writing 3

ENG 0316 - Creative Writing: Poetry 3

ENG 0317 - Creative Writing: Fiction 3

**Choose One:** 3

ENG 0310 - Professional Writing 3

ENG 0313 - Technical Writing 3

ENG 0315 - Advanced Essay Writing 3

**Literature courses choose two:** 6

ENG 0240 - The Short Story 3

ENG 0261 - World Literature I 3

ENG 0262 - World Literature II 3

ENG 0271 - British Literature I 3

ENG 0272 - British Literature II 3

ENG 0281 - American Literature I 3

ENG 0282 - American Literature II 3

**Upper division literature courses choose one:** 3

ENG 0361 - Studies in World Literature 3

ENG 0371 - Studies in British Literature 3

ENG 0381 - Studies in American Literature 3

**Total Hours:** 21**English Minor, Literature Emphasis, EN80****Minor Code: EN80****Advanced Writing select one:** 3

ENG 0216 - Creative Writing 3

ENG 0310 - Professional Writing 3

ENG 0312 - Advanced Professional Writing 3

ENG 0313 - Technical Writing 3

ENG 0315 - Advanced Essay Writing 3

Literature 300-400 Level: 9

English Electives: 9

(beyond College Composition) Should be chosen in consultation with an advisor in the English &amp; Philosophy department.

**Total Hours:** 21**English Minor, Writing Emphasis, EN81****Minor Code: EN81**

College Composition: 6 Hours

ENG 0101 AND ENG 102 College Composition I &amp; II (Writing Intensive) 6

OR

ENG 0111 - Advanced College Composition (Writing Intensive) 3

**Choose 4 from the following:** 12

ENG 0216 - Creative Writing 3

ENG 0310 - Professional Writing 3

ENG 0312 - Advanced Professional Writing 3

ENG 0313 - Technical Writing 3

ENG 0315 - Advanced Essay Writing 3

ENG 0316 - Creative Writing: Poetry 3

ENG 0317 - Creative Writing: Fiction 3

**Writing intensive course in the student's major:** 3**Total Hours:** 21**Entrepreneurship Minor, MM88****Minor Code: MM88**

Required Courses: 12 Hours

ENT 0202 - Business Opportunities and Innovation 1

ENT 0203 - Legal Aspects for Entrepreneurs 1

ENT 0204 - Initial Capitalization 1

ENT 0305 - Entrepreneurial Financial Analysis	1	
ENT 0309 - New Venture Taxation	1	
ENT 0321 - Business Planning for Entrepreneurs	1	
ENT 0401 - New Venture Formation	3	
ENT 0402 - Managing Innovation and Technology	3	
<b>Select from the following:</b>		6
ENT 0206 - Entrepreneurial Computerized Accounting	1	
ENT 0207 - Entrepreneurial Accounting Foundations	1	
ENT 0208 - Entrepreneurial Accounting Reports	1	
ENT 0210 - The Management Process for Entrepreneurs	1	
ENT 0212 - Human Resource Issues for Entrepreneurs	1	
ENT 0214 - Entrepreneurial Pricing Strategies	1	
ENT 0215 - Entrepreneurial Retail Management	1	
ENT 0311 - Entrepreneurship Strategy	1	
ENT 0313 - Entrepreneurial Marketing Strategies	1	
<b>Total Hours:</b>		18

#### **Finance Minor (BSBA Degree Candidates), FN85**

##### **Minor Code: FN85**

Required Courses: 6 Hours

ECON 0300 - Money and Financial Institutions	3	
FIN 0411 – Investments	3	
<b>Choose one:</b>		3
FIN 0421 - Portfolio Management	3	
FIN 0450 - Financial Strategy	3	
<b>Finance Electives:</b>		9
<b>Total Hours:</b>		18

#### **Finance Minor (Non-BSBA Degree Candidates), FN86**

##### **Minor Code: FN86**

Required Courses: 12 Hours

FIN 0101 - Introduction to Personal Financial Planning	3	
ACCT 0201 - Principles of Financial Accounting	3	
ECON 0201 - Principles of Economics (Macro)	3	
ECON 0202 - Principles of Economics (Micro)	3	
<b>Select One:</b>		3
FIN 0350 - Financial Management	3	
FIN 0411 - Investments	3	
<b>Finance Electives:</b>		6
<b>Total Hours:</b>		21

#### **French Minor, Modern Language, FL81**

##### **Minor Code: FL81**

A minor in French requires **18 hours of courses in French** of which six must be upper division.

**General Business Minor (Non-BSBA Degree Candidates), GB80****Minor Code: GB80**

Required Courses

ACCT 0201 - Principles of Financial Accounting	3	
ACCT 0202 - Principles of Managerial Accounting	3	
ECON 0202 - Principles of Economics (Micro)	3	
FIN 0350 - Financial Management	3	
MGMT 0237 - Using Information Systems	3	
MRKT 0300 - Principles of Marketing		3
MGMT 0350 - Fundamentals of Organizational Management	3	
<b>Total Hours:</b>		<b>21</b>

**Geography Minor, GE80****Minor Code: GE80**

Required: 3 Hours

GEOG 0101 - Introduction to Geography	3	
<b>GEOG Electives:</b>	<b>15</b>	
<b>Total Hours:</b>		<b>18</b>

**Geography Minor, Spatial Analysis, GE83****Minor Code: GE83**

Required Courses: 15 Hours

GEOG 0101 - Introduction to Geography	3	
MGMT 0237 - Using Information Systems	3	
CIS 0305 - Microcomputer Applications	3	
GEOG 0304 - Introduction to Geographic Information Systems	3	
GEOG 0404 - Applications in Geographic Information Systems	3	
<b>Select One:</b>		<b>3</b>
PSC 0405 - Social Science Statistics	3	
SOC 0405 - Social Science Statistics	3	
<b>Total Hours:</b>		<b>18</b>

**History Minor, American Studies, HI81****Minor Code: HI81**

Required: 15 Hours

HIST 0110 - United States History 1492-1877 3

HIST 0120 - United States History 1877 to Present 3

PSC 0120 - American Government 3

ENG 0281 - American Literature I 3

ENG 0282 - American Literature II 3

**Select two courses from the following:** 6

American History

HIST 0310 - United States Social and Intellectual History 3

HIST 0325 - The American West 3

HIST 0330 - History of the American Indians 3

HIST 0343 - The U.S. and the Cold War 3

HIST 0344 - America in Vietnam 3

HIST 0345 - Age of Jefferson and Jackson 3

HIST 0350 - Civil War and Reconstruction 3

HIST 0360 - History of Missouri 3

HIST 0365 - Colonial North America 3

HIST 0373 - Women in U.S. History 3

HIST 0405 - The Gilded Age and Progressive Era 3

HIST 0410 - The United States 1945-Present 3

Political Science

PSC 0301 - Political Parties &amp; Elections 3

PSC 0311 - American Presidency 3

PSC 0431 - Constitutional Law I 3

PSC 0432 - Constitutional Law II 3

Geography

GEOG 0422 - Geography of the United States 3

American Literature

ENG 0381 - Studies in American Literature 3

Anthropology

ANTH 0302 - North American Indians 3

**Total Hours:** 21**History Minor, HI80****Minor Code: HI80**

Required Courses

HIST 0110 - United States History 1492-1877 3

OR

HIST 0120 - United States History 1877 to Present 3

**History Electives:** 15

Must be chosen with approval of a History advisor, 9 hours must be upper division.

**Total Hours:** 18

**Human Resource Management Minor, MM81****Minor Code: MM81**

## Required Courses

GB 0301 - Legal Environment of Business I 3

MGMT 0350 - Fundamentals of Organizational Management 3

MGMT 0352 - Human Resources Management 3

MGMT 0441 - Organizational Behavior 3

**Choose three:** 9

GB 0320 - Business Communication 3

IB 0352 - International Human Resource Management 3

MGMT 0354 - Quality Management 3

MGMT 0411 - Employment Law 3

MGMT 0445 - Compensation and Benefits Management 3

MGMT 0447 - Employee Training and Development 3

MGMT 0491 - Internship in Management 1-6

**Total Hours:** 21**International Business Minor, IB80****Minor Code: IB80**

## Required Courses

IB 0310 - International Business 3

IB 0352 - International Human Resource Management 3

IB 0400 - International Marketing 3

MRKT 0300 - Principles of Marketing 3

MGMT 0350 - Fundamentals of Organizational Management 3

**Select one:** 3

IB 0410 - International Management 3

IB 0460 - Global Supply Chain Management 3

**Total Hours:** 18**International Studies Minor, IS80****Minor Code: IS80**

## Required Course: 3 Hours

INTS 0201 - Introduction to International Studies 3

**Select at Least Two of the Following:** 6

INTS 0301 - World Humanities 3

INTS 0302 - Environment and Society 3

INTS 0303 - Contemporary World Civilizations 3

INTS 0320 - Teaching English Abroad I 3

**Choose from INTS Designated Courses:** 6

Three hours could include a study abroad experience.

**Modern Language:** 5-6

Five to six hours beyond Bachelor of Arts requirement of 10-12 hours, all in the same language.

**Total Hours:** 20-21**Japanese Minor, Modern Language, FL83****Minor Code: FL83**

A minor in Japanese requires 18 hours of courses in Japanese of which six must be Upper Division.

**Legal Studies Minor, SO83****Minor Code: SO83**

Required Courses

PHIL 0140 - Critical Thinking 3

PSC 0304/PLS 0304 Legal Research 3

ENG 0310 - Professional Writing 3

OR

ENG 0313 - Technical Writing 3

PSC 0402 - Advocacy &amp; Legal Reasoning 3

**Choose two:** 6

PSC 0310 - Law, Society, and the Judicial Process 3

PSC 0431 - Constitutional Law I 3

PSC 0432 - Constitutional Law II 3

PSC 0435 - Philosophy of Law 3

**Choose one:** 3

LE 0210 - Criminal Procedure 3

LE 0250 - Criminal Law 3

CJAD 0450 - Criminal Evidence 3

GB 0301 - Legal Environment of Business I 3

GB 0302 - Legal Environment of Business II 3

MGMT 0411 - Employment Law 3

**Total Hours:** 21**Management Minor, MM82****Minor Code: MM82**

Required Courses: 9 Hours

MGMT 0237 - Using Information Systems 3

MGMT 0350 - Fundamentals of Organizational Management 3

MGMT 0352 - Human Resources Management 3

**Select Four:** 12

GB 0320 - Business Communication 3

GB 0321 - Business Statistics I 3

MGMT 0337 - Management Information Systems 3

MGMT 0354 - Quality Management 3

MGMT 0411 - Employment Law 3

MGMT 0431 - Operations Management 3

MGMT 0441 - Organizational Behavior 3

**Total Hours:** 21**Marketing Minor, MM83****Minor Code: MM83**

Required: 18 Hours

MRKT 0300 - Principles of Marketing 3

MRKT 0312 - Retail Management 3

MRKT 0321 - Professional Sales and Sales Management 3

MRKT 0401 - Integrated Marketing Communications 3

MRKT 0405 - eMarketing 3

MRKT 0432 - Consumer Behavior 3

**Total Hours:** 18



**Mathematics Minor, MA80****Minor Code: MA80**

Required Courses: 9 Hours

MATH 0150 - Calculus with Analytic Geometry I 5

MATH 0250 - Calculus with Analytic Geometry II 4

MATH Electives numbered above 250 12

MATH electives numbered above 250. Must include at least 6 upper division hours (300-400 level) excluding MATH 0302 .

**Total Hours: 21****Military Science Minor, MS80****Minor Code: MS80**

Required Courses

GOLD 0101 - Intro to Tactical Leadership 2

GOLD 0120 - Military Fitness I Spring 1

GOLD 0201 - Innovative Team Leadership 2

GOLD 0210 - Military Fitness II Fall 1

GOLD 0202 - Found of Tactical Leadership 2

GOLD 0220 - Military Fitness II Spring 1

GOLD 0301 - Adaptive Team Leadership 2

GOLD 0310 - Military Fitness III Fall 1

GOLD 0302 - Leadership in Changing Environ 2

GOLD 0320 - Military Fitness III Spring 1

GOLD 0401 - Developing Adaptive Leaders 2

GOLD 0410 - Military Fitness IV Fall 1

GOLD 0402 - Leadership in a Complex World 2

GOLD 0420 - Military Fitness IV Spring 1

**Total Hours: 21**

**Multimedia Minor, MM84****Minor Code: MM84**

Required: 12 Hours

MRKT 0405 – eMarketing 3

CIS 0110 - Programming I 3

ART 0101 - Two Dimensional Design 3

COMM 0101 - Introduction to Human Communication 3

**Select two courses from one of the areas:** 6**For Business emphasis** (Choose two\*)

MGMT 0337 - Management Information Systems 3

MRKT 0401 - Integrated Marketing Communications 3

MRKT 0432 - Consumer Behavior 3

**For Technology emphasis**

Other courses may be substituted with permission of advisor.

CIS 0305 - Microcomputer Applications 3

CIS 0310 - Database Management Systems I 3

**For Art/Graphic Design emphasis** (Choose two\*)

ART 0215 - Digital Illustration 3

ART 0216 - Introduction to Web Design 3

ART 0240 - Introduction to Typography 3

**For Communication emphasis** (Choose two\*)

COMM 0200 - Audio Production for Media 3

COMM 0211 - Introduction to Public Relations 3

COMM 0470 - New Media Technology 3

**Total Hours:** 18

\*Other courses may be substituted with permission of advisor.

**Music Minor, MU80****Minor Code: MU80**

Required Courses

MUS 0111 - Music Theory I 3

MUS 0112 - Music Theory II 3

Large Ensemble 4

Applied Music Elective (2 Semesters) 2

Music Electives 9\*

**Total Hours:** 21

\*Must be made with prior approval of music advisor, 6 must be Upper Division.

**Philosophy Minor, PI80****Minor Code: PI80**

Critical Thinking: 3 Hours

PHIL 0140 - Critical Thinking 3

**Ethics Select One:** 3

PHIL 0212 - Ethics 3

PHIL 0312 - Biomedical Ethics 3

PSC 0411 - Great Political Thinkers 3

A suitable selected topics course 3

History of Philosophy: 6 Hours

PHIL 0301 - Ancient Philosophy 3

PHIL 0302 - Modern Philosophy 3

**Philosophy Electives:** 6

at least three hours at 300 level or above

**Total Hours:** 18

**Physics Minor, PH80****Minor Code: PH80**

Required Courses: 9 Hours

PHYS 0270 - General Physics I 4

PHYS 0290 - General Physics II 4

PHYS 0291 - General Physics II Lab 1

**Physics Elective:** 12

Upper division courses

**Total Hours:** 21**Political Science Minor, International Politics, PS82****Minor Code: PS82**

Required Courses: 15 Hours

PSC 0201 - Introduction to Political Science 3

PSC 0321 - International Relations 3

PSC 0352 - Introduction to Comparative Politics 3

PSC 0423 - Globalization and Development 3

PSC 0434 - American Foreign Policy 3

**Select Two:** 6

PSC 0411 - Great Political Thinkers 3

PSC 0435 - Philosophy of Law 3

PSC 0494 - Seminar in Political Science 3

PSC 0498 - Advanced Topics in Political Science 1-3

**Total Hours:** 21**Political Science Minor, PS80****Minor Code: PS80**

Required Courses: 6 Hours

PSC 0120 - American Government 3

PSC 0201 - Introduction to Political Science 3

**PSC Electives:** 15

Must be chosen with approval of a political science advisor.

**Total Hours:** 21**Psychology Minor****Minor Code: PY80**

Required Course: 3 Hours

PSY 0100 - General Psychology 3

**Psychology Electives:** 18

Select with approval of a Psychology advisor. Twelve hours must be upper division (300-400 level).

**Total Hours:** 21

**Quality Management Minor, MM85****Minor Code: MM85**

Required Courses: 15 Hours

ACCT 0201 - Principles of Financial Accounting	3	
GB 0321 - Business Statistics I	3	
GB 0405 - Statistical Quality Control		3
MGMT 0350 - Fundamentals of Organizational Management	3	
MGMT 0354 - Quality Management	3	
<b>Select One:</b>		3
MGMT 0352 - Human Resources Management	3	
MGMT 0431 - Operations Management	3	
<b>Total Hours:</b>		18

**Sociology Minor, SO82****Minor Code: SO82**

Required Course: 3 Hours

SOC 0110 - Introduction to Sociology	3	
<b>Sociology Electives:</b>		18
Chosen in consultation with a Sociology advisor. Twelve hours must be upper division (300-400 level).		
<b>Total Hours:</b>		21

**Spanish Minor, Modern Language, FL85****Minor Code: FL85**

Required Courses: 9 Hours

SPAN 0102 - Beginning Spanish II	3	
SPAN 0203 - Intermediate Spanish I		3
SPAN 0204 - Intermediate Spanish II	3	
<b>Spanish Electives:</b>		9
Must be upper division (300-400 level).		
<b>Total Hours:</b>		18

**Theatre Minor, TH80****Minor Code: TH80**

Required Course: 3 Hours

TH 0110 - Theatre Appreciation **3****Theatre Laboratory Select Two:** **4**TH 0121 - Theatre Laboratory **2**TH 0122 - Theatre Laboratory **2**TH 0221 - Theatre Laboratory **2**TH 0222 - Theatre Laboratory **2**TH 0321 - Theatre Laboratory **2**TH 0322 - Theatre Laboratory **2****Choose from the following list of classes:** **11**

All courses must be selected with advisor approval, 6 hours must be upper division (300-400 level). Check courses for prerequisites.

TH 0142 - Theatre Technology **3**TH 0212 - Oral Interpretation **3**TH 0231 - Speech for Stage I **3**TH 0232 - Costume Technology **3**TH 0233 - Stage Makeup **3**TH 0234 - Introduction to Theatrical Design **3**TH 0235 - Speech for Stage II **3**TH 0240 - Stage Combat and Physical Characterization **3**TH 0241 - Acting I (Writing Intensive) **3**TH 0242 - Theatre Movement I **1**TH 0243 - Musical Theatre **3**TH 0251 - Audition Techniques for the Actor **1**TH 0298 - Topics in Theatre **1-8** (when offered)TH 0311 - Stage Management **3** \*\*TH 0320 - Stage Lighting **3** \*\*TH 0331 - History of the Theatre I **3**TH 0332 - History of the Theatre II **3**TH 0341 - Acting II **3** \*\*TH 0351 - Directing I **3** \*\*TH 0361 - History of Costume **3**TH 0362 - Stage Costume Design **3** \*\*TH 0363 - Costume History II **3**TH 0372 - Directing II **3** \*\*TH 0382 - Sound Design **3**TH 0422 - Acting III **3** \*\*TH 0423 - Acting IV **3**TH 0431 - Creative Dramatics **3**TH 0441 - Stage Design **3** \*\*TH 0450 - Advanced Lab Practicum **1-3**TH 0491 - Internship in Theatre **1-3**TH 0498 - Topics in Theatre **1-8****Total Hours:** **18**

\*All courses must be selected with advisor approval.

Six hours must be upper division.

\*\*See prerequisites.

# Certificates

## Automation Certificate or Minor, Engineering Technology, IE88 or IE 87

### Certificate Code IE88 Minor Code IE87

Required Engineering Technology Curriculum

IET 0305 - Basic Electricity and Electronics 3

IET 0383 - Power Generation including Pneumatic and Hydraulics 3

MET 0200 - Computer Numerical Control 3

MET 0210 - Industrial Robotics 3

MET 0220 - Introduction to Programmable Logic Controllers 3

MET 0330 - Automation Maintenance and Troubleshooting 3

**Total Hours:** 18

## Campaigns & Elections Certificate, Social Science, PS93

Certificate Code PS93

Required Courses: 15 Hours

PSC 0301 - Political Parties & Elections 3

PSC 0302 - Public Opinion 3

PSC 0401 - Social Science Research Methods 3

PSC 0402 - Advocacy & Legal Reasoning 3

PSC 0491 - Internship Political Science 1-8 3

**Total Hours:** 15

## Chinese Certificate in Language Competence, ML80

### Certificate Code ML80

A certificate in language competence, emphasis in Chinese requires 21 credit hours, of which 9 must be upper division (300-400 level) with a grade of B or better. Students may take or test out of the basic sequence (101, 102, 203, 204). A score of 12 on all four AAPPL assessments is required.

## CNC Operator Certificate, Engineering Technology, IE81

### Certificate Code: IE81

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathes and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

Required Engineering Technology Curriculum: 9 Hours

MET 0100 - Introduction to Machine Tool Processes 3 \*

IET 0110 - Engineering Graphics I 3 \*\*

MET 0200 - Computer Numerical Control 3

**Total Hours:** 9

Note(s):

\* Students must have a math ACT score of 22 or higher, or MATH 0030 (or higher) with a grade of C or better, or ACT WorkKeys Applied Mathematics Test Level 6 or higher.

\*\* Students must have a Math ACT score of 19 or higher, or MATH 0020 (or higher), with a grade of C or better, or ACT WorkKeys Applied mathematics Test Level 6 or higher.

**Coaching Certificate, Kinesiology, KI90****Certificate Code KI90**

Must be degree-seeking, minimum GPA 2.5, all pre-requisites are the responsibility of the student, must complete a Code of Conduct Waiver (Professionalism and Confidentiality).

Coaching Requirements: 21 Hours

KINE 0150 - Rules and Officiating of Team Sports	3 *
KINE 0220 - First Aid and Sport Safety	2
KINE 0252 - Team & Ind. Sports Instruction	3
KINE 0292 - Theory and Technique of Strength Training	2 *
KINE 0340 - Motor Learning in Physical Education	2
KINE 0355 - Lifetime Sports Academy Practicum	1
KINE 0367 - Socio-Psychological Aspects of Physical Education	3
KINE 0395 - Practicum in Wellness	2 *
KINE 0450 - Prevention & Care of Injuries	3

**Total Hours:**

**21**

\* Courses in addition to the Physical Education required curriculum.

**Continuous Process Improvement Certificate, IE86****Certificate Code: IE86**

Required Engineering Technology Curriculum: 18 Hours

IET 0320 - Applied Statistical Quality Control	3
IET 0380 - Principles of Lean	3
IET 0470 - Six Sigma Methodology	3
<b>Select One:</b>	3

IET 0315 - Probability & Statistics for Engineers 3

MATH 0310 - Elementary Statistics 3

GB 0321 - Business Statistics I 3

PSY 0320 - Applied Statistics for the Behavioral & Natural Sciences 3

**Select Two:** 6

IET 0205 - Computer Applications and Cost Analysis 3

IET 0355 - Work Measurement/Ergonomics 3

IET 0425 - Design Experiments 3

**Total Hours:**

**18**

**Corrections Certificate, Criminal Justice, CJ92****Certificate Code CJ92**

Required Courses

LE 0100 - Introduction to Criminal Justice	3
LE 0232 - Ethics in Criminal Justice	3
CJAD 0320 - Probation and Parole	3
CJAD 0412 - Correctional Practices	3
SOC 0391 - Penology and Corrections	3

**Total Hours:**

**15**

**Crime Scene Investigations Certificate, Criminal Justice, CJ94****Certificate Code CJ94**

Required Courses

LE 0100 - Introduction to Criminal Justice	3
LE 0200 - Crime Scene Investigation I	3
LE 0220 - Crime Scene Photography	3
CJAD 0300 - Criminal Investigation	3
CJAD 0340 - Crime Scene Investigation II	3
CJAD 0450 - Criminal Evidence	3

**Total Hours:**

**18**

**Criminal Investigation Certificate, Criminal Justice, CJ91****Certificate Code CJ91**

Required Courses

CJAD 0300 - Criminal Investigation	3
CJAD 0390 - Crime Analysis	3
CJAD 0400 - Homicide Investigation	3

CJAD 0405 - Homicide Investigation II	3	
CJAD 0455 - Interview and Interrogation	3	
<b>Total Hours:</b>		<b>15</b>

**Criminal Law Certificate, Criminal Justice, CJ95**  
**Certificate Code CJ95**

Required Courses		
LE 0100 - Introduction to Criminal Justice	3	
LE 0210 - Criminal Procedure	3	
LE 0250 - Criminal Law	3	
CJAD 0410 - Juvenile Procedures	3	
CJAD 0450 - Criminal Evidence	3	
<b>Total Hours:</b>		<b>15</b>

**Electronics Certificate, Physical Science, PH90**  
**Certificate Code PH90**

Required Courses		
PHYS 0290 - General Physics II	4	
PHYS 0291 - General Physics II Lab	1	
PHYS 0372 - Electronics for Experimental Physicists	4	
PHYS 0401 - Electricity and Magnetism	4	
PHYS 0490 – Seminar	1-3	
<b>Total Hours:</b>		<b>15</b>

**Emergency Medical Technician Certificate**  
**Certificate Code: PA80**

Emergency Medical Technician Requirements		
PARA 0101 - Escaping Violent Encounters	1	
PARA 0220 - Emergency Medical Technician	9	
<b>Total Hours:</b>		<b>10</b>

**Entrepreneurial Accounting Certificate, MM97**  
**Certificate Code: MM97**

Required Courses		
ENT 0207 - Entrepreneurial Accounting Foundations	1	
ENT 0208 - Entrepreneurial Accounting Reports	1	
ENT 0309 - New Venture Taxation	1	
<b>Total Hours:</b>		<b>3</b>



**Entrepreneurial Finance Certificate, MM96****Certificate Code: MM96**

## Required Courses

ENT 0204 - Initial Capitalization	1	
ENT 0206 - Entrepreneurial Computerized Accounting	1	
ENT 0305 - Entrepreneurial Financial Analysis	1	
<b>Total Hours:</b>		<b>3</b>

**Entrepreneurial Management Certificate, MM98****Certificate Code: MM98**

## Required Courses

ENT 0210 - The Management Process for Entrepreneurs	1	
ENT 0212 - Human Resource Issues for Entrepreneurs	1	
ENT 0311 - Entrepreneurship Strategy	1	
<b>Total Hours:</b>		<b>3</b>

**Entrepreneurial Marketing Certificate, MM99****Certificate Code: MM99**

## Required Courses

ENT 0214 - Entrepreneurial Pricing Strategies	1	
ENT 0215 - Entrepreneurial Retail Management	1	
ENT 0313 - Entrepreneurial Marketing Strategies	1	
<b>Total Hours:</b>		<b>3</b>

**Entrepreneurial Planning Certificate, MM95****Certificate Code: MM95**

## Required Courses

ENT 0202 - Business Opportunities and Innovation	1	
ENT 0203 - Legal Aspects for Entrepreneurs	1	
ENT 0321 - Business Planning for Entrepreneurs	1	
<b>Total Hours:</b>		<b>3</b>

**Entrepreneurship Professional Credential Certificate, MM86****Certificate Code: MM86**

A Professional Credential in Entrepreneurship will be offered for anyone including all MSSU students, regardless of major. This certificate will assist individuals with launching and successfully operating a new business venture. Students can earn five separate certificates in entrepreneurship. These courses may be earned via credit or noncredit basis. These courses are offered via the Internet to serve a diverse student body located worldwide.

The Professional Credential in Entrepreneurship can be attained after the completion of five Entrepreneurship Certificates:

Entrepreneurial Planning Certificate, MM95,  
Entrepreneurial Finance Certificate, MM96,  
Entrepreneurial Accounting Certificate, MM97,  
Entrepreneurial Management Certificate, MM98; and the  
Entrepreneurial Marketing Certificate, MM99.

<b>Total Hours:</b>	<b>15</b>
---------------------	-----------

**Environmental Health and Safety Certificate, Environmental Health, EH84****Certificate Code: EH84**

## Required Course

EH 0370 - Environmental Health & Safety **3****Environmental Health Electives: 12**

Any Environmental Health (EH) courses (except EH 101, EH 107, EH 379, EH 491 and EH 499)

**Total Hours: 15****Environmental Protection Certificate, Environmental Health, EH85****Certificate Code: EH85**

## Required Courses

EH 0312 - Environmental Biology **3**EH 0371 - Environmental Toxicology **3**EH 0372 - Environmental Regulations **3**EH 0376 - Water Quality Management **3****Total Hours: 12****Environmental Public Health Certificate, Environmental Health, EH86****Certificate Code: EH86**

## Required Courses

EH 0311 - Soil Morphology and Sewage Systems **3**EH 0375 - Disease Vector Control **1**EH 0377 - Food Safety **3**EH 0380 - Epidemiology **3**EH 0382 - Epidemiological Statistics **1**EH 0410 - Hazardous Incident Management **1****Total Hours: 12****French Certificate in Language Competence, ML81****Certificate Code ML81**

A certificate in language competence, emphasis in French requires 24 credit hours, of which 12 must be upper division (300-400 level) with a grade of B or better. Students may take or test out of the basic sequence (101, 102, 203, 204). A score of 13 on all four AAPPL assessments is required.

**Homeland Security Certificate, Criminal Justice, CJ96****Certificate Code CJ96**

## Required Courses

CJAD 0300 - Criminal Investigation **3**CJAD 0330 - Asset Protection **3**CJAD 0370 - International Terrorism **3**EH 0211 - HAZWOPER **3**

OR

EH 0410 - Hazardous Incident Management **1**

AND

EH 0411 - Hazardous Material Safety **2****Total Hours: 12**

**International Politics & Diplomacy Certificate, Social Science, PS90**  
**Certificate Code PS90**

Required Courses

PSC 0201 - Introduction to Political Science	3	
PSC 0321 - International Relations	3	
PSC 0352 - Introduction to Comparative Politics	3	
PSC 0423 - Globalization and Development	3	
PSC 0434 - American Foreign Policy	3	
<b>Total Hours:</b>		<b>15</b>

**Japanese Certificate in Language Competence, ML83**  
**Certificate Code ML83**

A certificate in language competence, emphasis in Japanese requires 21 credit hours, of which 9 must be upper division (300-400 level) with a grade of B or better. Students may take or test out of the basic sequence (101, 102, 203, 204). A score of 12 on all four AAPPL assessments is required.

**Jazz Studies Certificate, Music, MU90**  
**Certificate Code MU90**

Required Courses

MUS 0101 - Jazz Styles & Appreciation	3	
<b>Jazz Improvisation:</b>	8	
MUS 0214 repeated 4 times		
MUS 0214 - Elective in Jazz Improvisation 2		
<b>Jazz Orchestra:</b>	6	
MUS 0141 and MUS 0341 repeated 6 times		
MUS 0141 - Jazz Orchestra 1		
MUS 0341 - Jazz Orchestra 1		
<b>Recital Performance in a Combo Setting</b>		
MUS 0240 - Recital Attendance	0	
Educational Outreach: 1 Hour		
Service through various musical outreach activities		
MUS 0498 - Advanced Topics in Music	1	
<b>Total Hours:</b>		<b>18</b>

**Juvenile Justice Certificate, Criminal Justice, CJ93**  
**Certificate Code CJ93**

Required Courses

LE 0100 - Introduction to Criminal Justice	3	
CJAD 0275 - The Juvenile Justice System	3	
CJAD 0410 - Juvenile Procedures	3	
CJAD 0411 - Juvenile Corrections	3	
CJAD 0430 - Family Violence	3	
SOC 0312 - Juvenile Delinquency	3	
<b>Total Hours:</b>		<b>18</b>

**Legal Studies Certificate, Social Science, PS92**  
**Certificate Code PS92**

Required Courses: 9 Hours

PSC 0310 - Law, Society, and the Judicial Process 3

PSC 0431 - Constitutional Law I 3

PSC 0432 - Constitutional Law II 3

**Electives:** 3

PSC 0304 - Legal Research 3

PSC 0435 - Philosophy of Law 3

PSC 0491 - Internship Political Science 1-8

**Total Hours:** 12

**Management Specialist Certificate, MM94**  
**Certificate Code: MM94**

Required Courses

MGMT 0350 - Fundamentals of Organizational Management 3

MGMT 0441 - Organizational Behavior 3

MGMT 0452 - Strategic Management 3

MGMT 0352 - Human Resources Management 3

MGMT 0447 - Employee Training and Development 3

IB 0460 - Global Supply Chain Management 3

Accounting/Finance Choice course 3 \*

Management Choice course 3 \*\*

**Total Hours:** 24

Choice courses are chosen in conjunction with program advisor.

\* One 3-hour course in Accounting or Finance

\*\* One 3-hour course in International, Performance or Psychology of Management

A maximum of 6 hours may be transferred in from other institutions.

**Medical Interpretation (Spanish/English) Certificate, FL86**  
**Certificate Code FL 86**

The certificate requires the student to complete two courses in any order ( SPAN 0360 - Introduction to Medical Interpretation (Spanish/English), SPAN 0430 - Protocol and Procedures of Medical Interpretation (Spanish/English) or SPAN 0440 - Translation Spanish/English) in addition to a minimum of 120 hours of internship (an equivalent of 3 credit hours in SPAN 0491). The student needs to have the required proficiency level (Intermediate High) defined by the American Council on the Teaching of Foreign Languages (ACTFL) on the Oral Proficiency Interview (OPI) for both Spanish and English and have three writing intensive classes (ENG 0101, ENG 0102 and SPAN 0300 or equivalent) prior to entry into the program.

**Occupational Health and Safety Certificate, Environmental Health, EH87**  
**Certificate Code: EH87**

Required Courses

EH 0373 - Solid and Hazardous Waste Management 3

EH 0374 - Industrial Hygiene 3

EH 0378 - Occupational Health and Safety 3

EH 0411 - Hazardous Material Safety 2

EH 0211 – HAZWOPER 3

OR

EH 0481 - Environmental Risk and Safety Management 3

**Total Hours:** 14

**Paramedic Certificate, PA81****Certificate Code: PA81**

## Paramedic Certificate Requirements

PARA 0101 - Escaping Violent Encounters	1
PARA 0251 - EMS Foundations	2
PARA 0252 - EMS Pharmacology	2
PARA 0253 - EMS Pathophysiology	2
PARA 0254 – Pulmonology	2
PARA 0255 - Paramedic Skills	3
PARA 0256 - Pre-Hospital Cardiology	4
PARA 0272 – Traumatology	4
PARA 0273 - Emergency Medical Care	3
PARA 0275 - Paramedic Skills II	3
PARA 0292 - EMS Operations	1
PARA 0293 - Special Patient Populations	1
PARA 0370 - Field Internship/Clinical Practicum I	3
PARA 0390 - Field Internship/Clinical Practicum II	3
PARA 0395 - EMS Seminar	1

**Total Hours:** 38

**Policing Certificate, Criminal Justice, CJ90****Certificate Code CJ90**

## Required Courses

LE 0100 - Introduction to Criminal Justice	3
LE 0200 - Crime Scene Investigation I	3
LE 0210 - Criminal Procedure	3
LE 0225 - Patrol Procedures	3
LE 0232 - Ethics in Criminal Justice	3

**Total Hours:** 15

## **Population Health Certificate, Kinesiology, KI91**

### **Certificate Code KI91**

Students majoring in Health Promotion and Wellness or Physical Education will be required to take electives for the population health certificate outside of the Kinesiology department. For successful completion of the certificate students must earn a 2.5 GPA. Course pre-requisites are the responsibility of the student. Degree seeking and post-baccalaureate students may earn the certificate. All students will be required to complete a Code of Conduct that focuses on Confidentiality and Professionalism.

Core: 10-11 Hours

KINE 0352 - Administration in Health Promotion

**3**

KINE 0395 - Practicum in Wellness

**2**

### **Choose One:**

**3**

BIO 0304 - Introduction to Geographic Information Systems **3**

EH 0304 - Introduction to Geographic Information Systems **3**

GEOG 0301 - GIS for Social Sciences **3**

GEOG 0304 - Introduction to Geographic Information Systems **3**

### **Research Methods Select One:**

**2-3**

BIO 0390 - Research and Statistical Methods in Biology **3**

KINE 0380 - Research Methods in Health and Exercise Science **2**

PSC 0401 - Social Science Research Methods **3**

PSY 0325 - Research Methods in Psychology **3**

SOC 0401 - Social Science Research Methods **3**

### **Select from the Following Electives:**

**7-8**

BIO 0370 - Environmental Health and Safety **3**

OR

EH 0370 - Environmental Health & Safety **3**

OR

HS 0370 - Environmental Health and Safety **3**

BIO 0380 - Epidemiology **3**

OR

EH 0380 - Epidemiology **3**

OR

HS 0380 - Epidemiology **3**

SOC 0354 - Medical Sociology **3**

KINE 0305 - Aging and Health **2**

OR

PSY 0475 - Adult Development and Aging **3**

KINE 0385 - Nutrition for Human Development **3**

HS 0390 - Health Care Systems **3**

COMM 0305 - Intercultural Communication **3**

OR

HS 0305 - Intercultural Communication **3**

INTS 0306 - Introduction to Global Health **3**

PSC 0405 - Social Science Statistics **3**

OR

PSY 0320 - Applied Statistics for the Behavioral and Natural Sciences **3**

OR

SOC 0405 - Social Science Statistics **3**

OR

EH 0382 - Epidemiological Statistics **1**

**Total Hours:**

**18**

**Public Administration Certificate, Social Science, PS91****Certificate Code PS91**

Required Courses: 12 Hours

PSC 0320 - State and Local Government 3

PSC 0342 - Public Policy 3

PSC 0401 - Social Science Research Methods 3

PSC 0491 - Internship Political Science 1-8 3

**Electives:** 3

ECON 0498 - Advanced Topics in Economics 1-3

GEOG 0301 - GIS for Social Sciences 3

GEOG 0457 - Urban Geography 3

PSC 0493 - Legislative Internship 9

PSC 0498 - Advanced Topics in Political Science 1-3

**Total Hours:** 15**Quality Technician Certificate, Engineering Technology, IE83****Certificate Code: IE83**

This certificate was developed for non-degree seeking students.

The program is structured to prepare individuals to assure quality in manufacturing and service industries. The trained individual will have the skills to assist a Quality, Manufacturing or Industrial Engineer in gathering and analyzing data pertinent to products and services to maintain and improve quality. The program prepares the individual to work as a Quality Technician, Quality Inspector, Quality Analyst or Process Improvement Technician.

The program is designed to provide skills in Quality Tools, Statistical Process Control, Measurement Systems Analysis and Lean Manufacturing techniques. The student will be prepared to work as a Quality Technician, Quality Inspector, Quality Analyst or Process Improvement Technician.

Required Engineering Technology Curriculum

MATH 0130 - College Algebra 3

IET 0320 - Applied Statistical Quality Control 3

IET 0380 - Principles of Lean 3

IET 0470 - Six Sigma Methodology 3

**Total Hours:** 12**Six Sigma Black Belt Certificate (Option A), Engineering Technology, SS81****Certificate Code: SS81**

This program is designed to provide participants with the knowledge, techniques and tools necessary to successfully fulfill the Green Belt or Black Belt role in many sectors of industry.

Six Sigma is a data-driven methodology used to improve a product or process. Six Sigma has become the world standard for manufacturing as well as service companies. Six Sigma is about understanding customer requirements, tying improvements to strategic goals of the company, quantifying the financial benefits of improvement projects and following a disciplined process in applying statistical tools to achieve a "near-perfect" process.

Students can earn Black Belt certification by successfully completing the following courses with an average grade of B or higher. All courses require project work. There is a special fee and an industry sponsored project associated with Black Belt certification.

Required Engineering Technology Courses

IET 0320 - Applied Statistical Quality Control 3

IET 0425 - Design Experiments 3

IET 0470 - Six Sigma Methodology 3

IET 0471 - Senior Design 1

**Total Hours:** 10

**Six Sigma Green Belt Certificate (Option A), Engineering Technology, SS80****Certificate Code: SS80**

This program is designed to provide participants with the knowledge, techniques and tools necessary to successfully fulfill the Green Belt or Black Belt role in many sectors of industry.

Six Sigma is a data-driven methodology used to improve a product or process. Six Sigma has become the world standard for manufacturing as well as service companies. Six Sigma is about understanding customer requirements, tying improvements to strategic goals of the company, quantifying the financial benefits of improvement projects and following a disciplined process in applying statistical tools to achieve a "near-perfect" process.

Students can earn Green Belt certification by successfully completing the following courses with an average grade of B or higher. Both courses require project work. There is a special fee associated with Green Belt certification.

**Required Engineering Technology Courses**

IET 0320 - Applied Statistical Quality Control

**3**

IET 0470 - Six Sigma Methodology

**3**

IET 0471 - Senior Design

**1****Total Hours:****7****Spanish Certificate in Language Competence, ML85****Certificate Code ML88**

A certificate in language competence, emphasis in Spanish requires 24 credit hours, of which 12 must be upper division (300-400 level) with a grade of B or better. Students may take or test out of the basic sequence (101, 102, 203, 204). A score of 13 on all four AAPPL assessments is required.

**Teaching English as a Foreign Language, Certificate, IS90****Certificate Code IS90****Required Courses**

INTS 0320 - Teaching English Abroad I

**3**

INTS 0321 - Teaching English Abroad II

**3**

INTS 0322 - Teach English Abroad Practicum

**3****AND**

EDUC 0380 - Second Language Acquisition

**3****OR**

EDUC 0385 - Assessment Strategies for English Language Learners

**3****Total Hours:****12**